PayPal™

Name-Value Pair API Developer Guide

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Contents

08 April 2009

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Preface

This Document

The *Name-Value Pair API Developer Guide* describes the PayPal Name-Value Pair API.

Intended Audience

The *Name-Value Pair API Developer Guide* is written for web developers who are implementing solutions using the Name-Value Pair API.

Revision History

Revision history for *Name-Value Pair API Developer Guide.*

TABLE P.1 Revision History

Date	Description
08 April 2009	Updated information for 57.0: Express Checkout Callback API.
26 Nov. 2008	Updated information for 55.0.
23 Sept. 2008	Added information about using billing agreements with SetExpressCheckout.
3 Sept. 2008	Added information about payment review to GetTransactionDetails.
June 2008	Rearranged material, added error codes, and moved some material to the *Express Checkout Integration Guide*.
April 2008	Added Fraud Management Filters information. Changed recurring payments information.
February 2008	Added that ther VERSION parameter must be **50.0** in the API call to use recurring payments.
January 2008	• Added billing agreement fields to SetExpressCheckout for recurring payments • Updated CreateRecurringPaymentsProfile for new recurring payments features. • Added new recurring payments APIs • Added DoNonReferencedCredit API

***TABLE P.1** Revision History*

Date	Description
September 2007	• Update eBay auctions for Express Checkout section • Added fields for the giropay payment method to Express Checkout APIs • Added Direct Payment error 10571.
August 2007	Added recurring payments concepts, modified `SetExpressCheckout`, `DoExpressCheckoutPayment`, `DoReferenceTransaction`, and added additional `DoReferenceTransaction` error codes.
April 2007	Added Recurring Payments APIs: `SetCustomerBillingAgreement`, `GetBillingAgreementCustomerDetails`, and `CreateRecurringPaymentsProfile`.
February 2007	Bug fixes including updating Line Item Details for Direct Payment and Express Checkout APIs, changing some parameters to optional in `DoDirectPayment`, adding `SHIPTOCOUNTRYCODE`, and adding Switch/Solo codes for AVS and CVV2.
December 2006	Updates for bug fixes.
October 2006	First public release.

1 PayPal NVP API Overview

This overview describes the PayPal Name-Value Pair (NVP) API at a high level.

Introducing the PayPal NVP API

The PayPal NVP API is a simple programmatic interface that allows you, the merchant, to access PayPal's business functionality to:

- Accept PayPal in checkout on your website using Express Checkout.
- Charge a credit card using Direct Payment.
- Capture payments previously authorized through Express Checkout, Direct Payment, or Website Payments Standard.
- Reauthorize or void previous authorizations.
- Pay one or more recipients using Mass Payment.
- Issue full refunds or multiple partial refunds.
- Search transactions using a start date or other criteria.
- View details of a specific transaction.

The PayPal NVP API makes it easy to add PayPal to your web application. You construct an NVP string and post it to the PayPal server using HTTPS. PayPal posts back a reponse in NVP format.

Integrating with the PayPal API

You can develop with the PayPal NVP API using two different approaches:

Integrate Directly

You can integrate directly with the PayPal NVP API using the programming language of your choice. This is the most straightforward and flexible approach. You can download web samples that show how to integrate directly using Classic ASP, PHP, and ColdFusion.

Integrate Using an SDK

You can integrate with the NVP API using a software development kit (SDK). SDKs are provided for Java and ASP.NET. The SDKs provide simple functions for integrating with the NVP API.

Basic Steps

This section describes the basic steps for programming with the PayPal NVP API.

During application development, your application communicates with the PayPal Sandbox test environment. "Taking Your Application Live" on page 13 describes how to move your application to the live PayPal environment.

Create a Web Application

Your NVP API implementation usually runs in a web application. You can write your own application or use one of the samples as a starting point.

Get API Credentials

To access the PayPal API, you need API credentials, either an API signature or API certificate, that identify you.

Use the following sample API signature and password in your sample programs that run in the PayPal Sandbox test environment.

NOTE: If you are using the samples, this signature is already in the code.

Details of the Sample API Signature

API username	`sdk-three_api1.sdk.com`
API password	`QFZCWN5HZM8VBG7Q`
API signature	`A-IzJhZZjhg29XQ2qnhapuwxIDzyAZQ92FRP5dqBzVesOkzbdUONzmOU`

Create and Post the Request

Create an NVP request string and post it to PayPal sandbox server. Add code to your web application to do the following tasks:

1. URL-encode the name and value parameters in the request to ensure correct transmission of all characters. This is described in "URL-Encoding" on page 14.

2. Construct the NVP API request string as described in "Request Format" on page 15. The NVP format is described in "NVP Format" on page 14.

3. Post the NVP request to the PayPal Sandbox as described in "Posting Using HTTPS" on page 18.

Interpret the Response

PayPal processes your request and posts back a reponse in NVP format. Add code to your web application to do the following tasks:

1. Receive the HTTP post response, and extract the NVP string.

2. URL-decode the parameter values as described in "URL-Encoding" on page 14.

3. Take appropriate action for successful and failed reponses.

Taking Your Application Live

After you have finished coding and testing your application, deploy your application to the live PayPal server using your PayPal business account and API credentials for that account.

Set Up a PayPal Business Account

When you are ready to deploy your application to the live PayPal server, create a PayPal business account on https://www.paypal.com.

Set Up API Credentials

To use the APIs, you need a set of credentials to identify yourself to PayPal. Create an API signature for your business account.

For instructions on setting up API credentials for the business account, go to https://www.paypal.com/IntegrationCenter/ic_certificate.html.

IMPORTANT: If you are using API signature, you must protect the API signature values in your implementation. Consider storing these values in a secure location other than your web server document root and setting the file permissions so that only the system user that executes your ecommerce application can access it.

The sample code does not store these values securely. *The sample code should never be used in production.*

NOTE: While API signature is recommended, you can also use API certificate.

Modify Your Code

In your application, change the following items from the PayPal Sandbox values to the live PayPal server values:

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- The server address in the URL. (See "Posting Using HTTPS" on page 18.)
- API credentials you set up in "Set Up API Credentials" on page 13.

Technical Details

This section describes details of the technologies used by the PayPal NVP API.

Request-Response Model

When you use the PayPal NVP API, you post an NVP request to PayPal, and PayPal posts back an NVP response.

URL Format

The request and response are in URL-encoded format, which is defined by the Worldwide Web Consortium (W3C). URL is defined as part of the URI specification. Find out more about URI at http://www.w3.org/Addressing/.

NVP Format

NVP is a way of specifying names and values in a string. NVP is the informal name for the query in the URI specification. The NVP string is appended to the URL.

An NVP string conforms to the following guidelines:

- The name is separated from the value by an equal sign (=). For example:

```
FIRSTNAME=Robert
```

- Name-value pairs are separated by an ampersand (&). For example:

```
FIRSTNAME=Robert&MIDDLENAME=Herbert&LASTNAME=Moore
```

- The values for each field in an NVP string are URL-encoded.

URL-Encoding

The request and response are URL-encoded. URL-encoding ensures that you can transmit special characters, characters that are not allowed in a URL, and characters that have special meaning in a URL, such as the equal sign and ampersand. For example, the following NVP string:

```
NAME=Robert Moore&COMPANY=R. H. Moore & Associates
```

is URL-coded as follows:

```
NAME=Robert+Moore&COMPANY=R%2E+H%2E+Moore+%26+Associates
```

Use the following methods to URL-encode or URL-decode your NVP strings:

URL-Encoding Methods

Language		Method
ASP.NET	Encode	`System.Web.HttpUtility.UrlEncode(buffer, Encoding.Default)`
	Decode	`System.Web.HttpUtility.UrlDecode(buffer, Encoding.Default)`
Classic ASP	Encode	`Server.URLEncode`
	Decode	No built-in function. Several implementation examples are available on the Internet.
Java	Encode	`java.net.URLEncoder.encode`
	Decode	`java.net.URLDecoder.decode`
PHP	Encode	`urlencode()`
	Decode	`urldecode()`
ColdFusion	Encode	`URLEncodedFormatstring [, charset ]`
	Decode	`URLDecodeurlEncodedString[, charset])`

Request Format

Each NVP request consists of required and optional parameters and their values. Parameter names are not case sensitive. The examples in this document use UPPERCASE for parameter names and divide the parameters into required security parameters and body parameters.

General Format of a Request

Required Security Parameters	`USER=apiUsername`
	`&PWD=apiPassword`
	`&SIGNATURE=apiSignature`
	`&SUBJECT=optionalThirdPartyEmailAddress`
	`&VERSION=56.0`
	The following parameters are always required:
	`USER`
	`PWD`
	`VERSION`
	The examples show the required security parameters like this:
	`[requiredSecurityParameters]`

Body Parameters	`&METHOD=methodName` `&otherRequiredAndOptionalParameters`

In practice, you need to concatenate all parameters and values into a single URL-encoded string. After the METHOD parameter, you can specify the parameters in any order.

Security Parameters

The security parameters are described below. These are your PayPal API credentials.

Required Security Parameters: API Credentials

Parameter	Value
USER	*(Required)* Your PayPal API Username.
PWD	*(Required)* Your PayPal API Password.
VERSION=*<current version>*	*(Required)* Version number of the NVP API service, such as 56.0.
SIGNATURE	*(Optional)* Your PayPal API signature string. If you use an API certificate, do not include this parameter.
SUBJECT	*(Optional)* Email address of a PayPal account that has granted you permission to make this call. Set this parameter only if you are calling an API on a different user's behalf.

IMPORTANT: You must protect the values for USER, PWD, and SIGNATURE in your implementation. Consider storing these values in a secure location other than your web server document root and setting the file permissions so that only the system user that executes your ecommerce application can access it.

The sample code does not store these values securely. The sample code should never be used in production.

You may see sample code where these values are stored in an HTML form. The following is an example of what you should NOT do in production:

```
<form method=post action=https://api-3t.sandbox.paypal.com/nvp>
<!-- UNPROTECTED VALUES. DO NOT USE IN PRODUCTION! -->
<input type=hidden name=USER value=xxxxxx.paypal.com>
<input type=hidden name=PWD value=abcdefg>
<input type=hidden name=SIGNATURE value=xxxxxxxxxxxxxxx>
...
</form>
```

API Parameters

The request body must contain the name of the API method in the METHOD parameter. In addition, each method has required and optional parameters:

```
METHOD=methodName&requiredAndOptionalParameters
```

Response Format

A response from the PayPal servers is a URL-encoded name-value pair string, just like the request, except it has the following general format.

General Format of a Successful Response

Success Response Fields	`ACK=Success&TIMESTAMP=date/timeOfResponse` `&CORRELATIONID=debuggingToken&VERSION=...` `&BUILD=buildNumber`
API Response Fields	`&NAME1=value1&NAME2=value2&NAME3=value3&...`

Each response includes the `ACK` field. If the `ACK` field's value is Success or SuccessWithWarning, you should process the API response fields. In a successful response, you can ignore all fields up to and including the `BUILD` field. The important fields begin after the `BUILD` field.

Error Responses

If the `ACK` value is Error or Warning, API response fields are not returned. An error response has the following general format.

Format of an Error Response

Response Fields on Error	`ACK=Error&TIMESTAMP=date/timeOfResponse&` `CORRELATIONID=debuggingToken&VERSION=VersionNo&` `BUILD=buildNumber&L_ERRORCODE0=errorCode&` `L_SHORTMESSAGE0=shortMessage&` `L_LONGMESSAGE0=longMessage&` `L_SEVERITYCODE0=severityCode`	Multiple errors can be returned. Each set of errors has a different numeric suffix, starting with 0 and incremented by one for each error.

For possible causes of errors and how to correct them, see the explanation of the specific error code, short message, and long message in "API Error Codes" on page 159.

ACK Parameter Values

The following table lists values for the ACK parameter.

ACK Parameter Values

Type of Response	Value
Successful response	`Success` `SuccessWithWarning`
Error response	`Failure` `FailureWithWarning` `Warning`

Posting Using HTTPS

Your web application posts the URL-encoded NVP string over an HTTPS connection to one of the PayPal API servers. PayPal provides a live server and a Sandbox server that allows you to process transactions in a test environment.

API Servers for API Signature Security

If you use an API signature, post the request to one of these servers:

Sandbox: `https://api-3t.sandbox.paypal.com/nvp`

Live: `https://api-3t.paypal.com/nvp`

API Servers for API Certificate Security

If you use an API certificate, post the request to one of these servers:

Sandbox: `https://api.sandbox.paypal.com/nvp`

Live: `https://api.paypal.com/nvp`

2 Authorization and Capture API Operation Reference

This chapter describes the PayPal API operations related to delayed payment settlement:

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DoCapture API

Capture an authorized payment.

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DoCapture Request

DoCapture Request Fields

Field	Description
METHOD	*(Required)* Must be `DoCapture`.
AUTHORIZATIONID	*(Required)* The authorization identification number of the payment you want to capture. This is the transaction id returned from `DoExpressCheckoutPayment` or `DoDirectPayment`. Character length and limits: 19 single-byte characters maximum.
AMT	*(Required)* Amount to capture. Limitations: Value is a positive number which cannot exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
CURRENCYCODE	*(Optional)* A three-character currency code. Default: USD.
COMPLETETYPE	*(Required)* The value `Complete` indicates that this the last capture you intend to make. The value `NotComplete` indicates that you intend to make additional captures. **NOTE:** If `Complete`, any remaining amount of the original authorized transaction is automatically voided and all remaining open authorizations are voided. Character length and limits: 12 single-byte alphanumeric characters.
INVNUM	*(Optional)* Your invoice number or other identification number that is displayed to the merchant and customer in his transaction history. **NOTE:** This value on `DoCapture` will overwrite a value previously set on `DoAuthorization`. **NOTE:** The value is recorded only if the authorization you are capturing is an order authorization, not a basic authorization. Character length and limits: 127 single-byte alphanumeric characters.
NOTE	*(Optional)* An informational note about this settlement that is displayed to the payer in email and in his transaction history. Character length and limits: 255 single-byte characters.

Field	Description
SOFTDESCRIPTOR	*(Optional)* The soft descriptor is a per transaction description of the payment that is passed to the consumer's credit card statement.

If a value for the soft descriptor field is provided, the full descriptor displayed on the customer's statement has the following format:

`<PP * | PAYPAL *><Merchant descriptor as set in the Payment Receiving Preferences><1 space><soft descriptor>`

The soft descriptor can contain only the following characters:

- Alphanumeric characters
- - (dash)
- * (asterisk)
- . (period)
- {space}

If you use any other characters (such as ","), an error code is returned.

The soft descriptor does not include the phone number, which can be toggled between the merchant's customer service number and PayPal's customer service number.

The maximum length of the total soft descriptor is 22 characters. Of this, either 4 or 8 characters are used by the PayPal prefix shown in the data format. Thus, the maximum length of the soft descriptor passed in the API request is:

`22 - len(<PP * | PAYPAL *>) - len(<Descriptor set in Payment Receiving Preferences> + 1)`

For example, assume the following conditions:

- The PayPal prefix toggle is set to PAYPAL * in PayPal's admin tools.
- The merchant descriptor set in the Payment Receiving Preferences is set to EBAY.
- The soft descriptor is passed in as JanesFlowerGifts LLC.

The resulting descriptor string on the credit card would be:

`PAYPAL *EBAY JanesFlow`

DoCapture Response

- DoCapture Response Fields
- Payer Information Fields
- Ship To Address Fields
- Payer Name Fields

Do Capture Response Fields

Field	Description
AUTHORIZATIONID	The authorization identification number you specified in the request. Character length and limits: 19 single-byte characters maximum.

PayerInfo Type Fields

Field	Description
EMAIL	Email address of payer. Character length and limitations: 127 single-byte characters.
PAYERID	Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters.
PAYERSTATUS	Status of payer. Valid values are: • verified • unverified Character length and limitations: 10 single-byte alphabetic characters.
COUNTRYCODE	Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters.
BUSINESS	Payer's business name. Character length and limitations: 127 single-byte characters.

Ship To Address Type Fields

Field	Description
ADDRESSSTATUS	Status of street address on file with PayPal. Valid values are: • none • Confirmed • Unconfirmed
SHIPTONAME	Person's name associated with this address. Character length and limitations: 32 single-byte characters.
SHIPTOSTREET	First street address. Character length and limitations: 100 single-byte characters.
SHIPTOSTREET2	Second street address. Character length and limitations: 100 single-byte characters.
SHIPTOCITY	Name of city. Character length and limitations: 40 single-byte characters.

Field	Description
SHIPTOSTATE	State or province. Character length and limitations: 40 single-byte characters. Required for U.S. addresses only.
SHIPTOZIP	U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
SHIPTOCOUNTRYCODE	Country code. Character limit: Two single-byte characters.

Payer Name Fields

Field	Description
SALUTATION	Payer's salutation. Character length and limitations: 20 single-byte characters.
FIRSTNAME	Payer's first name. Character length and limitations: 25 single-byte characters.
MIDDLENAME	Payer's middle name. Character length and limitations: 25 single-byte characters.
LASTNAME	Payer's last name Character length and limitations: 25 single-byte characters.
SUFFIX	Payer's suffix Character length and limitations: 12 single-byte characters.

DoAuthorization API

Authorize a payment.

- DoAuthorization Request
- DoAuthorization Response

DoAuthorization Request

DoAuthorization Request Fields

Field	Description
METHOD	*(Required)* Must be `DoAuthorization`.
TRANSACTIONID	*(Required)* The value of the order's transaction identification number returned by PayPal. Character length and limits: 19 single-byte characters maximum.
AMT	*(Required)* Amount to authorize. Limitations: Value is a positive number which cannot exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
TRANSACTIONENTITY	*(Optional)* Type of transaction to authorize. The only allowable value is `Order`, which means that the transaction represents a customer order that can be fulfilled over 29 days.
CURRENCYCODE	*(Optional)* A three-character currency code. See "Currency Codes" on page 239.

DoAuthorization Response

DoAuthorization Response Fields

Field	Description
TRANSACTIONID	An authorization identification number.
AMT	The amount you specified in the request.

DoReauthorization API

- DoReauthorization Request
- DoReauthorization Response

DoReauthorization Request

DoReauthorization Request Fields

Field	Description
METHOD	*(Required)* Must be DoReauthorization.
AUTHORIZATIONID	*(Required)* The value of a previously authorized transaction identification number returned by PayPal. Character length and limits: 19 single-byte characters maximum.
AMT	*(Required)* Amount to reauthorize. Limitations: Value is a positive number which cannot exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
CURRENCYCODE	A three-character currency code. See "Currency Codes" on page 239.

DoReauthorization Response

DoReauthorization Response Fields

Field	Description
AUTHORIZATIONID	A new authorization identification number. Character length and limits:19 single-byte characters maximum.

DoVoid API

Void an order or an authorization.

- DoVoid Request
- DoVoid Response

DoVoid Request

DoVoid Request Fields

Field	Description
METHOD	*(Required)* Must be DoVoid.
AUTHORIZATIONID	*(Required)* The value of the original authorization identification number returned by a PayPal product. **IMPORTANT:** If you are voiding a transaction that has been reauthorized, use the ID from the original authorization, and not the reauthorization. Character length and limits: 19 single-byte characters.
NOTE	*(Optional)* An informational note about this void that is displayed to the payer in email and in his transaction history. Character length and limits: 255 single-byte characters

DoVoid Response

DoVoid Response Fields

Field	Description
AUTHORIZATIONID	The authorization identification number you specified in the request. Character length and limits: 19 single-byte characters.

3 DoDirectPayment API

Process a credit card payment.

- DoDirectPayment Request
- DoDirectPayment Response

DoDirectPayment Request

- DoDirectPayment Request Fields
- Credit Card Fields
- Payer Information Fields
- Payer Name Fields
- Billing Address Fields
- Payment Details Type Fields
- Payment Details Item Type Fields
- eBay Item Payment Details Item Type Fields
- Ship To Address Fields

DoDirectPayment Request Fields

Field	Description
METHOD	*(Required)* Must be DoDirectPayment.
PAYMENTACTION	*(Optional)* How you want to obtain payment: ● Authorization indicates that this payment is a basic authorization subject to settlement with PayPal Authorization & Capture. ● Sale indicates that this is a final sale for which you are requesting payment. Character length and limit: Up to 13 single-byte alphabetic characters. Default: Sale **NOTE:** Order is not allowed for Direct Payment.
IPADDRESS	*(Required)* IP address of the payer's browser. **NOTE:** PayPal records this IP addresses as a means to detect possible fraud. Character length and limitations: 15 single-byte characters, including periods, for example: 255.255.255.255.
RETURNFMFDETAILS	*(Optional)* Flag to indicate whether you want the results returned by Fraud Management Filters. By default, you do not receive this information. ● 0 - do not receive FMF details (default) ● 1 - receive FMF details

Credit Card Details Fields

Field	Description
CREDITCARDTYPE	*(Required)* Type of credit card. Character length and limitations: Up to ten single-byte alphabetic characters. Allowable values: ● Visa ● MasterCard ● Discover ● Amex ● Maestro: See note. ● Solo: See note. For Canada, only MasterCard and Visa are allowable; Interac debit cards are not supported. **NOTE:** If the credit card type is Maestro or Solo, the CURRENCYCODE must be GBP. In addition, either STARTDATE or ISSUENUMBER must be specified.
ACCT	*(Required)* Credit card number. Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.

Field	Description
EXPDATE	Credit card expiration date. This field is required if you are using recurring payments with direct payments. Format: MMYYYY Character length and limitations: Six single-byte alphanumeric characters, including leading zero.
CVV2	Card Verification Value, version 2. Your Merchant Account settings determine whether this field is required. Character length for Visa, MasterCard, and Discover: exactly three digits.Character length for American Express: exactly four digits.To comply with credit card processing regulations, you must not store this value after a transaction has been completed.
STARTDATE	*(Optional)* Month and year that Maestro or Solo card was issued, the MMYYYY format. Character length: Must be six digits, including leading zero.
ISSUENUMBER	*(Optional)* Issue number of Maestro or Solo card.Character length: two numeric digits maximum.

PayerInfo Type Fields

Field	Description
EMAIL	Email address of payer. Character length and limitations: 127 single-byte characters.
PAYERID	Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters.
PAYERSTATUS	Status of payer. Valid values are: • verified • unverified Character length and limitations: 10 single-byte alphabetic characters.
COUNTRYCODE	Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters.
BUSINESS	Payer's business name. Character length and limitations: 127 single-byte characters.

Payer Name Fields

Field	Description
SALUTATION	Payer's salutation. Character length and limitations: 20 single-byte characters.
FIRSTNAME	Payer's first name. Character length and limitations: 25 single-byte characters.
MIDDLENAME	Payer's middle name. Character length and limitations: 25 single-byte characters.
LASTNAME	Payer's last name Character length and limitations: 25 single-byte characters.
SUFFIX	Payer's suffix Character length and limitations: 12 single-byte characters.

Address Fields

Field	Description
STREET	*(Required)* First street address. Character length and limitations: 100 single-byte characters.
STREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
CITY	*(Required)* Name of city. Character length and limitations: 40 single-byte characters.

Field	Description
STATE	*(Required)* State or province. Character length and limitations: 40 single-byte characters.
COUNTRYCODE	*(Required)* Country code. Character limit: Two single-byte characters.
ZIP	*(Required)* U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
PHONENUM	*(Optional)* Phone number. Character length and limit: 20 single-byte characters.

Payment Details Type Fields

Field	Description
AMT	*(Required)* The total cost of the transaction to the customer. If shipping cost and tax charges are known, include them in this value; if not, this value should be the current sub-total of the order.
	If the transaction includes one or more one-time purchases, this field must be equal to the sum of the purchases.
	Set this field to 0 if the transaction does not include a one-time purchase; for example, when you set up a billing agreement for a recurring payment that is not immediately charged.
	Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
CURRENCYCODE	*(Optional)* A three-character currency code. Default: USD.
ITEMAMT	*(Optional)* Sum of cost of all items in this order.
	Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
	N O T E : ITEMAMT is required if you specify L_AMT*n*.
SHIPPINGAMT	*(Optional)* Total shipping costs for this order.
	N O T E : Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
	N O T E : If you specify a value for SHIPPINGAMT, you must also specify a value for ITEMAMT.
INSURANCEAMT	*(Optional)* Total shipping insurance costs for this order. The value must be a non-negative currency amount or null if insurance options are offered.
	N O T E : Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
SHIPPINGDISCOUNT	*(Optional)* Shipping discount for this order, specified as a negative number.
	N O T E : Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
INSURANCEOPTIONOFFERED	*(Optional)* If true, the Insurance drop-down on the PayPal Review page displays the string 'Yes' and the insurance amount. If true, the total shipping insurance for this order must be a positive number.
	Character length and limitations: true or false

Field	Description
HANDLINGAMT	*(Optional)* Total handling costs for this order.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
	NOTE: If you specify a value for HANDLINGAMT, you must also specify a value for ITEMAMT.
TAXAMT	*(Optional)* Sum of tax for all items in this order.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
	NOTE: TAXAMT is required if you specify L_TAXAMT*n*
DESC	*(Optional)* Description of items the customer is purchasing. Character length and limitations: 127 single-byte alphanumeric characters
CUSTOM	*(Optional)* A free-form field for your own use. Character length and limitations: 256 single-byte alphanumeric characters
INVNUM	*(Optional)* Your own invoice or tracking number. Character length and limitations: 127 single-byte alphanumeric characters
BUTTONSOURCE	*(Optional)* An identification code for use by third-party applications to identify transactions. Character length and limitations: 32 single-byte alphanumeric characters
NOTIFYURL	*(Optional)* Your URL for receiving Instant Payment Notification (IPN) about this transaction.
	NOTE: If you do not specify this value in the request, the notification URL from your Merchant Profile is used, if one exists. Character length and limitations: 2,048 single-byte alphanumeric characters

Payment Details Item Type Fields

Field	Description
L_NAMEn	*(Optional)* Item name. These parameters must be ordered sequentially beginning with 0 (for example L_NAME0, L_NAME1). Character length and limitations: 127 single-byte characters
L_DESCn	*(Optional)* Item description. Character length and limitations: 127 single-byte characters
L_AMTn	*(Optional)* Cost of item. These parameters must be ordered sequentially beginning with 0 (for example L_AMT0, L_AMT1). **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** If you specify a value for L_AMT*n*, you must specify a value for ITEMAMT.
L_NUMBERn	*(Optional)* Item number. These parameters must be ordered sequentially beginning with 0 (for example L_NUMBER0, L_NUMBER1). Character length and limitations: 127 single-byte characters
L_QTYn	*(Optional)* Item quantity. These parameters must be ordered sequentially beginning with 0 (for example L_QTY0, L_QTY1). Character length and limitations: Any positive integer
L_TAXAMTn	*(Optional)* Item sales tax. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. These parameters must be ordered sequentially beginning with 0 (for example L_TAXAMT0, L_TAXAMT1).
L_ITEMWEIGHTVALUEn, L_ITEMWEGHTUNITn	*(Optional)* Item weight corresponds to the weight of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMWEIGHTVALUE0, L_ITEMWEIGHTVALUE1). Character length and limitations: Any positive integer
L_ITEMLENGTHVALUEn, L_ITEMLENGTHUNITn	*(Optional)* Item length corresponds to the length of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMLENGTHVALUE0, L_ITEMLENGTHVALUE1). Character length and limitations: Any positive integer

Field	Description
`L_ITEMWIDTHVALUEn,` `L_ITEMWIDTHUNITn`	*(Optional)* Item width corresponds to the width of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example `L_ITEMWIDTHVALUE0`, `L_ITEMWIDTHVALUE1`). Character length and limitations: Any positive integer
`L_ITEMHEIGHTVALUEn,` `L_ITEMHEIGHTUNITn`	*(Optional)* Item height corresponds to the height of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example `L_ITEMHEIGHTVALUE0`, `L_ITEMHEIGHTVALUE1`). Character length and limitations: Any positive integer

EbayItemPaymentDetailsItemType Fields

Field	Description
L_EBAYITEMNUMBERn	*(Optional)* Auction item number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMNUMBER0, L_EBAYITEMNUMBER1). Character length: 765 single-byte characters
L_EBAYITEMAUCTIONTXNIDn	*(Optional)* Auction transaction identification number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMAUCTIONTXNID0, L_EBAYITEMAUCTIONTXNID1). Character length: 255 single-byte characters
L_EBAYITEMORDERIDn	*(Optional)* Auction order identification number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMORDERID0, L_EBAYITEMORDERID1). Character length: 64 single-byte characters

Ship To Address Fields

Field	Description
SHIPTONAME	Person's name associated with this address. This field is required for shipping addresses but is optional for credit card billing addresses. Character length and limitations: 32 single-byte characters.
SHIPTOSTREET	First street address. This field is required if the shipping address is used. Character length and limitations: 100 single-byte characters.
SHIPTOSTREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
SHIPTOCITY	Name of city. This field is required if the shipping address is used. Character length and limitations: 40 single-byte characters.
SHIPTOSTATE	State or province. This field is required if the shipping address is used. Character length and limitations: 40 single-byte characters.
SHIPTOZIP	U.S. ZIP code or other country-specific postal code. This field is required if a U.S. shipping address is used and may be required for other countries. Character length and limitations: 20 single-byte characters.
SHIPTOCOUNTRYCODE	Country code. This field is required if the shipping address is used. Character limit: 2 single-byte characters.
SHIPTOPHONENUM	*(Optional)* Phone number. Character length and limit: 20 single-byte characters.

DoDirectPayment Response

DoDirectPayment Response Fields

Field	Description
TRANSACTIONID	Unique transaction ID of the payment. **NOTE:** If the PaymentAction of the request was Authorization, the value of TransactionID is your AuthorizationID for use with the Authorization & Capture APIs. Character length and limitations: 19 single-byte characters.
AMT	This value is the amount of the payment as specified by you on DoDirectPaymentRequest for reference transactions with direct payments.
AVSCODE	Address Verification System response code. See "AVS and CVV2 Response Codes" on page 241 for possible values. Character limit: One single-byte alphanumeric character
CVV2MATCH	Result of the CVV2 check by PayPal.
L_FMF*filterID*n	Filter ID, including the *filter* type, which is either ACCEPT or DENY, the filter *ID*, and the entry number, *n*, starting from 0. Filter *ID* is one of the following values: • 1 = AVS No Match • 2 = AVS Partial Match • 3 = AVS Unavailable/Unsupported • 4 = Card Security Code (CSC) Mismatch • 5 = Maximum Transaction Amount • 6 = Unconfirmed Address • 7 = Country Monitor • 8 = Large Order Number • 9 = Billing/Shipping Address Mismatch • 10 = Risky ZIP Code • 11 = Suspected Freight Forwarder Check • 12 = Total Purchase Price Minimum • 13 = IP Address Velocity • 14 = Risky Email Address Domain Check • 15 = Risky Bank Identification Number (BIN) Check • 16 = Risky IP Address Range • 17 = PayPal Fraud Model
L_FMF*filter*NAME*n*	Filter name, including the *filter* type, which is either ACCEPT or DENY, the filter *NAME*, and the entry number, *n*, starting from 0.

4 Express Checkout API Operations

This chapter describes the PayPal API operations related to Express Checkout transactions:

Callback API

Updates the PayPal Review page with shipping options, insurance, and tax information.

Callback Request

Callback Request Fields

Field	Description
METHOD	*(Required)* Must be `Callback`.
TOKEN	*(Optional)* A timestamped token, the value of which was returned by `SetExpressCheckout` response. Character length and limitations: 20 single-byte characters
CURRENCYCODE	*(Required)* The three-character currency code for the transaction from the Express Checkout API. Default: USD
LOCALECODE	*(Optional)* Locale of pages displayed by PayPal during Express Checkout. Character length and limitations: Any two-character country code. The following two-character country codes are supported by PayPal: ● AU ● DE ● FR ● IT ● GB ● ES ● US Any other value will default to US.
L_NAMEn	Item name from the Express Checkout API. These parameters must be ordered sequentially beginning with `0` (for example, `L_NAME0`, `L_NAME1`).
L_NUMBERn	Item number from the Express Checkout API. These parameters must be ordered sequentially beginning with `0` (for example, `L_NUMBER0`, `L_NUMBER1`).
L_DESCn	Item description from the Express Checkout API. These parameters must be ordered sequentially beginning with `0` (for example, `L_DESC0`, `L_DESC1`).
L_AMTn	Item unit price from the Express Checkout API. These parameters must be ordered sequentially beginning with `0` (for example, `L_AMT0`, `L_AMT1`).
L_QTYn	Item unit quantity from the Express Checkout API. These parameters must be ordered sequentially beginning with `0` (for example, `L_QTY0`, `L_QTY1`).
L_ITEMWEIGHTVALUEn, L_ITEMWEIGHTUNITn	The weight of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with `0` (for example, `L_ITEMWEIGHTVALUE0`, `L_ITEMWEIGHTVALUE1`).

Field	Description
`L_ITEMHEIGHTVALUEn,` `L_ITEMHEIGHTUNITn`	The height of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with `0` (for example, `L_ITEMHEIGHTVALUE0, ITEMHEIGHTVALUE1`).
`L_ITEMWIDTHVALUEn,` `L_ITEMWIDTHUNITn`	The width of the item. You can pass this data to the shipping carrier as is without having to make an additional database query.. These parameters must be ordered sequentially beginning with `0` (for example, `L_ITEMWIDTHVALUE0, L_ITEMWIDTHVALUE1`).
`L_ITEMLENGTHVALUEn,` `L_ITEMLENGTHUNITn`	The length of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with `0` (for example, `ITEMLENGTHVALUE0, ITEMLENGTHVALUE1`).
`SHIPTOSTREET`	First street address. Required if using a shipping address. Character length and limitations: 100 single-byte characters.
`SHIPTOSTREET2`	Second street address. Character length and limitations: 100 single-byte characters.
`SHIPTOCITY`	Name of city. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
`SHIPTOSTATE`	State or province. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
`SHIPTOZIP`	U.S. ZIP code or other country-specific postal code. Required if using a U.S. shipping address; may be required for other countries. Character length and limitations: 20 single-byte characters.
`SHIPTOCOUNTRY`	Country code. Required if using a shipping address. Character limit: 2 single-byte characters.

Callback Response

Callback Response Fields

Field	Description
METHOD	*(Required)* The method sent to the PayPal server. The value is always `CallbackResponse`.
OFFERINSURANCEOPTION	*(Optional)* Indicates whether or not PayPal should display insurance in a drop-down list on the Review page. When the value is `true`, PayPal displays the drop-down with the associated amount and the string 'Yes.'
L_SHIPPINGOPTIONNAMEn	*(Required)* Is the internal/system name of a shipping option, such as Air, Ground, or Expedited. These parameters must be ordered sequentially beginning with 0 (for example, `L_SHIPPINGOPTIONNAME0`, `L_SHIPPINGOPTIONNAME1`). Character length and limitations: 50 characters
L_SHIPPINGOPTIONLABELn	*(Required)* The label for the shipping option as displayed to the buyer. Examples: Air: Next Day, Expedited: 3-5 days, Ground: 5-7 days. These labels can be localized based on the buyer's locale, which is a part of the callback request. These parameters must be ordered sequentially beginning with 0 (for example, `L_SHIPPINGALABEL0`, `L_SHIPPINGLABEL1`). Character length and limitations: 50 characters
L_SHIPPINGOPTIONAMOUNTn	*(Required)* Is the amount for this shipping option. These parameters must be ordered sequentially beginning with 0 (for example, `L_SHIPPINGAMOUNT0`, `L_SHIPPINGAMOUNT1`). **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
L_SHIPPINGOPTIONISDEFAULT	*(Required)* The option that is selected by default for the buyer and is also reflected in the "default" total.
L_TAXAMTn	*(Optional)* New tax amount based on this shipping option and the shipping address. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
L_INSURANCEAMOUNTn	*(Optional)* New insurance amount based on this shipping option and the shipping address. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
METHOD	*(Required)* The method sent to the PayPal server. The value is always `CallbackResponse`.

Field	Description
OFFERINSURANCEOPTIO N	*(Optional)* Indicates whether or not PayPal should display insurance in a drop-down list on the Review page. When the value is `true`, PayPal displays the drop-down with the associated amount and the string '`Yes.`'

SetExpressCheckout API

Initiates an Express Checkout transaction.

Optionally, the `SetExpressCheckout` API operation can set up billing agreements for reference transactions and recurring payments.

- "Callback Request" on page 40
- "SetExpressCheckout Response" on page 54

SetExpressCheckout Request

- "SetExpressCheckout Request Fields" on page 44
- "Address Fields" on page 48
- "Payment Details Type Fields" on page 48
- "Payment Details Item Type Fields" on page 51
- "EbayItemPaymentDetailsItemType Fields" on page 53
- "Shipping Options Type Fields" on page 53
- "Billing Agreement Details Fields" on page 54

SetExpressCheckout Request Fields

Field	Description
METHOD	*(Required)* Must be `SetExpressCheckout`.
TOKEN	*(Optional)* A timestamped token, the value of which was returned by `SetExpressCheckout` response. Character length and limitations: 20 single-byte characters
MAXAMT	*(Optional)* The expected maximum total amount of the complete order, including shipping cost and tax charges. If the transaction does not include a one-time purchase, this field is ignored. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
RETURNURL	*(Required)* URL to which the customer's browser is returned after choosing to pay with PayPal. **NOTE:** PayPal recommends that the value be the final review page on which the customer confirms the order and payment or billing agreement. Character length and limitations: 2048 characters
CANCELURL	*(Required)* URL to which the customer is returned if he does not approve the use of PayPal to pay you. **NOTE:** PayPal recommends that the value be the original page on which the customer chose to pay with PayPal or establish a billing agreement. Character length and limitations: 2048 characters
CALLBACKURL	*(Optional)* URL to which the callback request from PayPal is sent. It must start with HTTPS for production integration. It can start with HTTPS or HTTP for sandbox testing. Character length and limitations: 1024 characters
CALLBACKURL	*(Optional)* An override for you to request more or less time to be able to process the callback request and respond. The acceptable range for the override is 1 to 6 seconds. If you specify a value greater than 6, PayPal uses the default value of 3 seconds. Character length and limitations: An integer between 1 and 6
REQCONFIRMSHIPPING	*(Optional)* The value 1 indicates that you require that the customer's shipping address on file with PayPal be a confirmed address. **NOTE:** Setting this field overrides the setting you have specified in your Merchant Account Profile. Character length and limitations: One single-byte numeric character. Allowable values: 0, 1
NOSHIPPING	*(Optional)* The value 1 indicates that on the PayPal pages, no shipping address fields should be displayed whatsoever. Character length and limitations: One single-byte numeric character. Allowable values: 0, 1

Field	Description
ALLOWNOTE	*(Optional)* The value `1` indicates that the customer may enter a note to the merchant on the PayPal page during checkout. The note is returned in the `GetExpressCheckoutDetails` response and the `DoExpressCheckoutPayment` response. Character length and limitations: One single-byte numeric character. Allowable values: `0`, `1`
ADDRESSOVERRIDE	*(Optional)* The value `1` indicates that the PayPal pages should display the shipping address set by you in this SetExpressCheckout request, not the shipping address on file with PayPal for this customer. Displaying the PayPal street address on file does not allow the customer to edit that address. Character length and limitations: One single-byte numeric character. Allowable values: `0`, `1`
LOCALECODE	*(Optional)* Locale of pages displayed by PayPal during Express Checkout. Character length and limitations: Any two-character country code. The following two-character country codes are supported by PayPal: • AU • DE • FR • IT • GB • ES • US Any other value will default to US. See "Country Codes" on page 225.
PAGESTYLE	*(Optional)* Sets the Custom Payment Page Style for payment pages associated with this button/link. This value corresponds to the HTML variable page_style for customizing payment pages. The value is the same as the Page Style Name you chose when adding or editing the page style from the `Profile` subtab of the `My Account` tab of your PayPal account. Character length and limitations: 30 single-byte alphabetic characters.
HDRIMG	*(Optional)* URL for the image you want to appear at the top left of the payment page. The image has a maximum size of 750 pixels wide by 90 pixels high. PayPal recommends that you provide an image that is stored on a secure (https) server. If you do not specify an image, the business name is displayed. Character length and limit: 127 single-byte alphanumeric characters
HDRBORDERCOLOR	*(Optional)* Sets the border color around the header of the payment page. The border is a 2-pixel perimeter around the header space, which is 750 pixels wide by 90 pixels high. By default, the color is black. Character length and limitation: Six character HTML hexadecimal color code in ASCII.

Field	Description
HDRBACKCOLOR	*(Optional)* Sets the background color for the header of the payment page. By default, the color is white. Character length and limitation: Six character HTML hexadecimal color code in ASCII.
PAYFLOWCOLOR	*(Optional)* Sets the background color for the payment page. By default, the color is white. Character length and limitation: Six character HTML hexadecimal color code in ASCII.
PAYMENTACTION	*(Optional)* How you want to obtain payment: • `Sale` indicates that this is a final sale for which you are requesting payment. (Default) • `Authorization` indicates that this payment is a basic authorization subject to settlement with PayPal Authorization & Capture. • `Order` indicates that this payment is an order authorization subject to settlement with PayPal Authorization & Capture. If the transaction does not include a one-time purchase, this field is ignored. **NOTE:** You cannot set this value to Sale in `SetExpressCheckout` request and then change this value to `Authorization` or `Order` on the final API `DoExpressCheckoutPayment` request. If the value is set to `Authorization` or `Order` in `SetExpressCheckout`, the value may be set to `Sale` or the same value (either `Authorization` or `Order`) in `DoExpressCheckoutPayment`. Character length and limit: Up to 13 single-byte alphabetic characters Default value: `Sale`
EMAIL	*(Optional)* Email address of the buyer as entered during checkout. PayPal uses this value to pre-fill the PayPal membership sign-up portion of the PayPal login page. Character length and limit: 127 single-byte alphanumeric characters
SOLUTIONTYPE	*(Optional)* Type of checkout flow: • `Sole`: Express Checkout for auctions • `Mark`: Normal Express Checkout
LANDINGPAGE	*(Optional)* Type of PayPal page to display: • `Billing`: non-PayPal account • `Login`: PayPal account login
CHANNELTYPE	*(Optional)* Type of channel: • `Merchant`: non-auction seller • `eBayItem`: eBay auction
GIROPAYSUCCESSURL	*(Optional)* The URL on the merchant site to redirect to after a successful giropay payment. Use this field only if you are using giropay or bank transfer payment methods in Germany.

Field	Description
GIROPAYCANCELURL	*(Optional)* The URL on the merchant site to redirect to after a successful giropay payment. Use this field only if you are using giropay or bank transfer payment methods in Germany.
BANKTXNPENDINGURL	*(Optional)* The URL on the merchant site to transfer to after a bank transfer payment. Use this field only if you are using giropay or bank transfer payment methods in Germany.

Address Fields

Field	Description
NAME	Person's name associated with this shipping address. Required if using a shipping address. Character length and limitations: 32 single-byte characters.
SHIPTOSTREET	First street address. Required if using a shipping address. Character length and limitations: 100 single-byte characters.
SHIPTOSTREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
SHIPTOCITY	Name of city. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
SHIPTOSTATE	State or province. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
SHIPTOZIP	U.S. ZIP code or other country-specific postal code. Required if using a U.S. shipping address; may be required for other countries. Character length and limitations: 20 single-byte characters.
SHIPTOCOUNTRY	Country code. Required if using a shipping address. Character limit: 2 single-byte characters.
PHONENUM	*(Optional)* Phone number. Character length and limit: 20 single-byte characters.

Payment Details Type Fields

Field	Description
AMT	*(Required)* The total cost of the transaction to the customer. If shipping cost and tax charges are known, include them in this value; if not, this value should be the current sub-total of the order. If the transaction includes one or more one-time purchases, this field must be equal to the sum of the purchases. Set this field to 0 if the transaction does not include a one-time purchase; for example, when you set up a billing agreement for a recurring payment that is not immediately charged. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
CURRENCYCODE	*(Optional)* A three-character currency code. Default: USD.
ITEMAMT	*(Optional)* Sum of cost of all items in this order. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** ITEMAMT is required if you specify L_AMT*n*.

Field	Description
SHIPPINGAMT	*(Optional)* Total shipping costs for this order.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
	NOTE: If you specify a value for SHIPPINGAMT, you must also specify a value for ITEMAMT.
INSURANCEAMT	*(Optional)* Total shipping insurance costs for this order. The value must be a non-negative currency amount or null if insurance options are offered.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
SHIPPINGDISCOUNT	*(Optional)* Shipping discount for this order, specified as a negative number.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
INSURANCEOPTIONOFFERED	*(Optional)* If true, the Insurance drop-down on the PayPal Review page displays the string 'Yes' and the insurance amount. If true, the total shipping insurance for this order must be a positive number.
	Character length and limitations: true or false
HANDLINGAMT	*(Optional)* Total handling costs for this order.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
	NOTE: If you specify a value for HANDLINGAMT, you must also specify a value for ITEMAMT.
TAXAMT	*(Optional)* Sum of tax for all items in this order.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
	NOTE: TAXAMT is required if you specify L_TAXAMTn
DESC	*(Optional)* Description of items the customer is purchasing.
	Character length and limitations: 127 single-byte alphanumeric characters
CUSTOM	*(Optional)* A free-form field for your own use.
	Character length and limitations: 256 single-byte alphanumeric characters

Field	Description
INVNUM	*(Optional)* Your own invoice or tracking number.
	Character length and limitations: 127 single-byte alphanumeric characters
BUTTONSOURCE	*(Optional)* An identification code for use by third-party applications to identify transactions.
	Character length and limitations: 32 single-byte alphanumeric characters
NOTIFYURL	*(Optional)* Your URL for receiving Instant Payment Notification (IPN) about this transaction.
	NOTE: If you do not specify this value in the request, the notification URL from your Merchant Profile is used, if one exists.
	Character length and limitations: 2,048 single-byte alphanumeric characters

Payment Details Item Type Fields

Field	Description
L_NAMEn	*(Optional)* Item name. These parameters must be ordered sequentially beginning with 0 (for example L_NAME0, L_NAME1). Character length and limitations: 127 single-byte characters
L_DESCn	*(Optional)* Item description. Character length and limitations: 127 single-byte characters
L_AMTn	*(Optional)* Cost of item. These parameters must be ordered sequentially beginning with 0 (for example L_AMT0, L_AMT1). **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** If you specify a value for L_AMTn, you must specify a value for ITEMAMT.
L_NUMBERn	*(Optional)* Item number. These parameters must be ordered sequentially beginning with 0 (for example L_NUMBER0, L_NUMBER1). Character length and limitations: 127 single-byte characters
L_QTYn	*(Optional)* Item quantity. These parameters must be ordered sequentially beginning with 0 (for example L_QTY0, L_QTY1). Character length and limitations: Any positive integer
L_TAXAMTn	*(Optional)* Item sales tax. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. These parameters must be ordered sequentially beginning with 0 (for example L_TAXAMT0, L_TAXAMT1).
L_ITEMWEIGHTVALUEn, L_ITEMWEGHTUNITn	*(Optional)* Item weight corresponds to the weight of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMWEIGHTVALUE0, L_ITEMWEIGHTVALUE1). Character length and limitations: Any positive integer
L_ITEMLENGTHVALUEn, L_ITEMLENGTHUNITn	*(Optional)* Item length corresponds to the length of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMLENGTHVALUE0, L_ITEMLENGTHVALUE1). Character length and limitations: Any positive integer

Field	Description
`L_ITEMWIDTHVALUEn,` `L_ITEMWIDTHUNITn`	*(Optional)* Item width corresponds to the width of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example `L_ITEMWIDTHVALUE0`, `L_ITEMWIDTHVALUE1`). Character length and limitations: Any positive integer
`L_ITEMHEIGHTVALUEn,` `L_ITEMHEIGHTUNITn`	*(Optional)* Item height corresponds to the height of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example `L_ITEMHEIGHTVALUE0`, `L_ITEMHEIGHTVALUE1`). Character length and limitations: Any positive integer

EbayItemPaymentDetailsItemType Fields

Field	Description
L_EBAYITEMNUMBERn	*(Optional)* Auction item number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMNUMBER0, L_EBAYITEMNUMBER1). Character length: 765 single-byte characters
L_EBAYITEMAUCTIONTXNIDn	*(Optional)* Auction transaction identification number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMAUCTIONTXNID0, L_EBAYITEMAUCTIONTXNID1). Character length: 255 single-byte characters
L_EBAYITEMORDERIDn	*(Optional)* Auction order identification number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMORDERID0, L_EBAYITEMORDERID1). Character length: 64 single-byte characters

Shipping Options Type Fields

Field	Description
L_SHIPPINGOPTIONISDEFAULTn	Shipping option. Required if specifying the Callback URL. When the value of this flat rate shipping option is true, PayPal selects it by default for the buyer and reflects it in the "default" total. **NOTE:** There must be ONE and ONLY ONE default. It is not OK to have no default. Character length and limitations: Boolean: true or false.
L_SHIPPINGOPTIONNAMEn	Shipping option. Required if specifying the Callback URL. The internal name of the shipping option such as Air, Ground, Expedited, and so forth. Character length and limitations: 50 character-string.
L_SHIPPINGOPTIONLABELn	Shipping option. Required if specifying the Callback URL. The label for the shipping option as displayed to the user. Examples include: Air: Next Day, Expedited: 3-5 days, Ground: 5-7 days, and so forth. Shipping option labels can be localized based on the buyer's locale, which PayPal sends to your website as a parameter value in the callback request. Character length and limitations: 50 character-string.
L_SHIPPINGOPTIONAMOUNTn	Shipping option. Required if specifying the Callback URL. The amount of the flat rate shipping option. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).

Billing Agreement Details Fields

Field	Description
L_BILLINGTYPEn	*(Required)* Type of billing agreement. For recurring payments, this field must be set to RecurringPayments. In this case, you can specify up to ten billing agreements. **NOTE:** Other defined values are not valid.
L_BILLINGAGREEMENTD ESCRIPTIONn	Description of goods or services associated with the billing agreement, which is required for each recurring payment billing agreement. PayPal recommends that the description contain a brief summary of the billing agreement terms and conditions. For example, customer will be billed at "9.99 per month for 2 years". Character length and limitations: 127 single-byte alphanumeric bytes.
L_PAYMENTTYPEn	*(Optional)* Specifies type of PayPal payment you require for the billing agreement. ● Any ● InstantOnly **NOTE:** For recurring payments, this field is ignored.
L_CUSTOMn	*(Optional)* Custom annotation field for your own use. **NOTE:** For recurring payments, this field is ignored. Character length and limitations: 256 single-byte alphanumeric bytes.

SetExpressCheckout Response

SetExpressCheckout Response Fields

Field	Description
TOKEN	A timestamped token by which you identify to PayPal that you are processing this payment with Express Checkout. The token expires after three hours.If you set the token in the SetExpressCheckout request, the value of the token in the response is identical to the value in the request. Character length and limitations: 20 single-byte characters

GetExpressCheckoutDetails API

Obtain information about an Express Checkout transaction.

GetExpressCheckoutDetails Request

GetExpressCheckoutDetails Request Fields

Field	Description
METHOD	*(Required)* Must be `GetExpressCheckoutDetails`.
TOKEN	*(Required)* A timestamped token, the value of which was returned by `SetExpressCheckout` response. Character length and limitations: 20 single-byte characters

GetExpressCheckoutDetails Response

- GetExpressCheckoutDetails Response Fields
- Payer Information Fields
- Payer Name Fields
- Ship To Address Fields
- Payment Details Type Fields
- Payment Details Item Type Fields
- eBay Item Payment Details Item Type Fields

GetExpressCheckoutDetails Response Fields

Field	Description
TOKEN	The timestamped token value that was returned by SetExpressCheckout response and passed on GetExpressCheckoutDetails request. Character length and limitations: 20 single-byte characters
CUSTOM	A free-form field for your own use, as set by you in the Custom element of SetExpressCheckout request. Character length and limitations: 256 single-byte alphanumeric characters
INVNUM	Your own invoice or tracking number, as set by you in the element of the same name in SetExpressCheckout request . Character length and limitations: 127 single-byte alphanumeric characters
PHONENUM	Payer's contact telephone number. **NOTE:** PayPal returns a contact telephone number only if your Merchant account profile settings require that the buyer enter one. Character length and limitations: Field mask is XXX-XXX-XXXX (for US numbers) or +XXX XXXXXXX (for international numbers)
PAYPALADJUSTMENT	A discount or gift certificate offered by PayPal to the buyer. This amount will be represented by a negative amount. If the buyer has a negative PayPal account balance, PayPal adds the negative balance to the transaction amount, which is represented as a positive value.
NOTE	The text entered by the buyer on the PayPal website if the ALLOWNOTE field was set to 1 in SetExpressCheckout. Character length and limitations: 255 single-byte characters
REDIRECTREQUIRED	Flag to indicate whether you need to redirect the customer to back to PayPal after completing the transaction. **NOTE:** Use this field only if you are using giropay or bank transfer payment methods in Germany.

Payer Information Fields

Field	Description
EMAIL	Email address of payer. Character length and limitations: 127 single-byte characters
PAYERID	Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters.
PAYERSTATUS	Status of payer. Valid values are: ● verified ● unverified Character length and limitations: 10 single-byte alphabetic characters.

Field	Description
COUNTRYCODE	Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters
BUSINESS	Payer's business name. Character length and limitations: 127 single-byte characters

Payer Name Fields

Field	Description
SALUTATION	Payer's salutation. Character length and limitations: 20 single-byte characters
FIRSTNAME	Payer's first name. Character length and limitations: 25 single-byte characters
MIDDLENAME	Payer's middle name. Character length and limitations: 25 single-byte characters
LASTNAME	Payer's last name. Character length and limitations: 25 single-byte characters
SUFFIX	Payer's suffix. Character length and limitations: 12 single-byte characters

Address Type Fields

Field	Description
ADDRESSSTATUS	Status of street address on file with PayPal Valid values are: ● none ● Confirmed ● Unconfirmed
SHIPTONAME	Person's name associated with this address. Character length and limitations: 32 single-byte characters
SHIPTOSTREET	First street address. Character length and limitations: 100 single-byte characters
SHIPTOSTREET2	Second street address. Character length and limitations: 100 single-byte characters
SHIPTOCITY	Name of city. Character length and limitations: 40 single-byte characters
SHIPTOSTATE	State or province. Character length and limitations: 40 single-byte characters Required for U.S. addresses only.
SHIPTOZIP	U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters
SHIPTOCOUNTRYCODE	Country code. See "Country Codes" on page 225. Character limit: Two single-byte characters

Payment Details Type Fields

Field	Description
AMT	*(Required)* The total cost of the transaction to the customer. If shipping cost and tax charges are known, include them in this value; if not, this value should be the current sub-total of the order.
	If the transaction includes one or more one-time purchases, this field must be equal to the sum of the purchases.
	Set this field to 0 if the transaction does not include a one-time purchase; for example, when you set up a billing agreement for a recurring payment that is not immediately charged.
	Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
CURRENCYCODE	*(Optional)* A three-character currency code. Default: USD.
ITEMAMT	*(Optional)* Sum of cost of all items in this order.
	Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
	NOTE: ITEMAMT is required if you specify L_AMT*n*.
SHIPPINGAMT	*(Optional)* Total shipping costs for this order.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
	NOTE: If you specify a value for SHIPPINGAMT, you must also specify a value for ITEMAMT.
INSURANCEAMT	*(Optional)* Total shipping insurance costs for this order. The value must be a non-negative currency amount or null if insurance options are offered.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
SHIPPINGDISCOUNT	*(Optional)* Shipping discount for this order, specified as a negative number.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
INSURANCEOPTIONOFFERED	*(Optional)* If true, the Insurance drop-down on the PayPal Review page displays the string 'Yes' and the insurance amount. If true, the total shipping insurance for this order must be a positive number.
	Character length and limitations: true or false

Field	Description
HANDLINGAMT	*(Optional)* Total handling costs for this order.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
	NOTE: If you specify a value for HANDLINGAMT, you must also specify a value for ITEMAMT.
TAXAMT	*(Optional)* Sum of tax for all items in this order.
	NOTE: Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
	NOTE: TAXAMT is required if you specify L_TAXAMT*n*
DESC	*(Optional)* Description of items the customer is purchasing. Character length and limitations: 127 single-byte alphanumeric characters
CUSTOM	*(Optional)* A free-form field for your own use. Character length and limitations: 256 single-byte alphanumeric characters
INVNUM	*(Optional)* Your own invoice or tracking number. Character length and limitations: 127 single-byte alphanumeric characters
BUTTONSOURCE	*(Optional)* An identification code for use by third-party applications to identify transactions. Character length and limitations: 32 single-byte alphanumeric characters
NOTIFYURL	*(Optional)* Your URL for receiving Instant Payment Notification (IPN) about this transaction.
	NOTE: If you do not specify this value in the request, the notification URL from your Merchant Profile is used, if one exists.
	Character length and limitations: 2,048 single-byte alphanumeric characters

Payment Details Item Type Fields

Field	Description
L_NAMEn	*(Optional)* Item name. These parameters must be ordered sequentially beginning with 0 (for example L_NAME0, L_NAME1). Character length and limitations: 127 single-byte characters
L_AMTn	*(Optional)* Cost of item. These parameters must be ordered sequentially beginning with 0 (for example L_AMT0, L_AMT1). **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** If you specify a value for L_AMT*n*, you must specify a value for ITEMAMT.
L_NUMBERn	*(Optional)* Item number. These parameters must be ordered sequentially beginning with 0 (for example L_NUMBER0, L_NUMBER1). Character length and limitations: 127 single-byte characters
L_QTYn	*(Optional)* Item quantity. These parameters must be ordered sequentially beginning with 0 (for example L_QTY0, L_QTY1). Character length and limitations: Any positive integer
L_TAXAMTn	*(Optional)* Item sales tax. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. These parameters must be ordered sequentially beginning with 0 (for example L_TAXAMT0, L_TAXAMT1).
L_ITEMWEIGHTVALUEn, L_ITEMWEGHTUNITn	*(Optional)* Item weight corresponds to the weight of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMWEIGHTVALUE0, L_ITEMWEIGHTVALUE1). Character length and limitations: Any positive integer
L_ITEMLENGTHVALUEn, L_ITEMLENGTHUNITn	*(Optional)* Item length corresponds to the length of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMLENGTHVALUE0, L_ITEMLENGTHVALUE1). Character length and limitations: Any positive integer

Field	Description
`L_ITEMWIDTHVALUEn`, `L_ITEMWIDTHUNITn`	*(Optional)* Item width corresponds to the width of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example `L_ITEMWIDTHVALUE0`, `L_ITEMWIDTHVALUE1`). Character length and limitations: Any positive integer
`L_ITEMHEIGHTVALUEn`, `L_ITEMHEIGHTUNITn`	*(Optional)* Item height corresponds to the height of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example `L_ITEMHEIGHTVALUE0`, `L_ITEMHEIGHTVALUE1`). Character length and limitations: Any positive integer

User Selected Options Type Fields

Field	Description
SHIPPINGCALCULATION MODE	*(Optional)* Describes how the options that were presented to the user were determined. Is one of the following values: • API – Callback • API – Flatrate
INSURANCEOPTIONSELE CTED	*(Optional)* The Yes/No option that you chose for insurance.
SHIPPINGOPTIONISDEF AULT	*(Optional)* Is true if the buyer chose the default shipping option. Character length and limitations: true or false
SHIPPINGOPTIONAMOUN T	*(Optional)* The shipping amount that was chosen by the buyer Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
SHIPPINGOPTIONNAME	*(Optional)* Is true if the buyer chose the default shipping option.

EbayItemPaymentDetailsItemType Fields

Field	Description
L_EBAYITEMNUMBERn	*(Optional)* Auction item number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMNUMBER0, L_EBAYITEMNUMBER1). Character length: 765 single-byte characters
L_EBAYITEMAUCTIONTX NIDn	*(Optional)* Auction transaction identification number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMAUCTIONTXNID0, L_EBAYITEMAUCTIONTXNID1). Character length: 255 single-byte characters
L_EBAYITEMORDERIDn	*(Optional)* Auction order identification number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMORDERID0, L_EBAYITEMORDERID1). Character length: 64 single-byte characters

DoExpressCheckoutPayment API

Completes an Express Checkout transaction.

If you set up a billing agreement in your SetExpressCheckout API call, the billing agreement is created when you call the DoExpressCheckoutPayment API operation.

DoExpressCheckoutPayment Request

- DoExpressCheckout Request Fields
- Payment Details Type Fields
- eBay Item Payment Details Item Type Fields
- Payment Details Item Type Fields
- Address Fields

DoExpressCheckoutPayment Request Fields

Field	Description
METHOD	*(Required)* Must be `DoExpressCheckoutPayment`.
TOKEN	*(Required)* The timestamped token value that was returned by `SetExpressCheckout` response and passed on `GetExpressCheckoutDetails` request. Character length and limitations: 20 single-byte characters
PAYMENTACTION	*(Required)* How you want to obtain payment: ● `Authorization` indicates that this payment is a basic authorization subject to settlement with PayPal Authorization & Capture. ● `Order` indicates that this payment is is an order authorization subject to settlement with PayPal Authorization & Capture. ● `Sale` indicates that this is a final sale for which you are requesting payment. **NOTE:** You cannot set this value to `Sale` on `SetExpressCheckout` request and then change this value to `Authorization` on the final PayPal Express Checkout API `DoExpressCheckoutPayment` request. Character length and limit: Up to 13 single-byte alphabetic characters
PAYERID	*(Required)* Unique PayPal customer account identification number as returned by `GetExpressCheckoutDetails` response.Character length and limitations: 13 single-byte alphanumeric characters.
	(Optional) Shipping options and insurance selected by the user.
RETURNFMFDETAILS	*(Optional)* Flag to indicate whether you want the results returned by Fraud Management Filters. By default, you do not receive this information. ● 0 - do not receive FMF details (default) ● 1 - receive FMF details

Payment Details Type Fields

Field	Description
AMT	*(Required)* The total cost of the transaction to the customer. If shipping cost and tax charges are known, include them in this value; if not, this value should be the current sub-total of the order. If the transaction includes one or more one-time purchases, this field must be equal to the sum of the purchases. Set this field to 0 if the transaction does not include a one-time purchase; for example, when you set up a billing agreement for a recurring payment that is not immediately charged. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
CURRENCYCODE	*(Optional)* A three-character currency code. Default: USD.

Field	Description
ITEMAMT	*(Optional)* Sum of cost of all items in this order. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** ITEMAMT is required if you specify L_AMT*n*.
SHIPPINGAMT	*(Optional)* Total shipping costs for this order. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** If you specify a value for SHIPPINGAMT, you must also specify a value for ITEMAMT.
INSURANCEAMT	*(Optional)* Total shipping insurance costs for this order. The value must be a non-negative currency amount or null if insurance options are offered. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
SHIPPINGDISCOUNT	*(Optional)* Shipping discount for this order, specified as a negative number. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
INSURANCEOPTIONOFFERED	*(Optional)* If true, the Insurance drop-down on the PayPal Review page displays the string 'Yes' and the insurance amount. If true, the total shipping insurance for this order must be a positive number. Character length and limitations: true or false
HANDLINGAMT	*(Optional)* Total handling costs for this order. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** If you specify a value for HANDLINGAMT, you must also specify a value for ITEMAMT.
TAXAMT	*(Optional)* Sum of tax for all items in this order. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** TAXAMT is required if you specify L_TAXAMT*n*

Field	Description
DESC	*(Optional)* Description of items the customer is purchasing. Character length and limitations: 127 single-byte alphanumeric characters
CUSTOM	*(Optional)* A free-form field for your own use. Character length and limitations: 256 single-byte alphanumeric characters
INVNUM	*(Optional)* Your own invoice or tracking number. Character length and limitations: 127 single-byte alphanumeric characters
BUTTONSOURCE	*(Optional)* An identification code for use by third-party applications to identify transactions. Character length and limitations: 32 single-byte alphanumeric characters
NOTIFYURL	*(Optional)* Your URL for receiving Instant Payment Notification (IPN) about this transaction. **NOTE:** If you do not specify this value in the request, the notification URL from your Merchant Profile is used, if one exists. Character length and limitations: 2,048 single-byte alphanumeric characters

Payment Details Item Type Fields

Field	Description
L_NAMEn	*(Optional)* Item name. These parameters must be ordered sequentially beginning with 0 (for example L_NAME0, L_NAME1). Character length and limitations: 127 single-byte characters
L_DESCn	*(Optional)* Item description. Character length and limitations: 127 single-byte characters
L_AMTn	*(Optional)* Cost of item. These parameters must be ordered sequentially beginning with 0 (for example L_AMT0, L_AMT1). **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** If you specify a value for L_AMTn, you must specify a value for ITEMAMT.
L_NUMBERn	*(Optional)* Item number. These parameters must be ordered sequentially beginning with 0 (for example L_NUMBER0, L_NUMBER1). Character length and limitations: 127 single-byte characters
L_QTYn	*(Optional)* Item quantity. These parameters must be ordered sequentially beginning with 0 (for example L_QTY0, L_QTY1). Character length and limitations: Any positive integer
L_TAXAMTn	*(Optional)* Item sales tax. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. These parameters must be ordered sequentially beginning with 0 (for example L_TAXAMT0, L_TAXAMT1).
L_ITEMWEIGHTVALUEn, L_ITEMWEGHTUNITn	*(Optional)* Item weight corresponds to the weight of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMWEIGHTVALUE0, L_ITEMWEIGHTVALUE1). Character length and limitations: Any positive integer
L_ITEMLENGTHVALUEn, L_ITEMLENGTHUNITn	*(Optional)* Item length corresponds to the length of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMLENGTHVALUE0, L_ITEMLENGTHVALUE1). Character length and limitations: Any positive integer

Field	Description
L_ITEMWIDTHVALUEn, L_ITEMWIDTHUNITn	*(Optional)* Item width corresponds to the width of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMWIDTHVALUE0, L_ITEMWIDTHVALUE1). Character length and limitations: Any positive integer
L_ITEMHEIGHTVALUEn, L_ITEMHEIGHTUNITn	*(Optional)* Item height corresponds to the height of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMHEIGHTVALUE0, L_ITEMHEIGHTVALUE1). Character length and limitations: Any positive integer

User Selected Options Type Fields

Field	Description
SHIPPINGCALCULATION MODE	*(Optional)* Describes how the options that were presented to the user were determined. Is one of the following values: ● API – Callback ● API – Flatrate
INSURANCEOPTIONSELE CTED	*(Optional)* The Yes/No option that you chose for insurance.
SHIPPINGOPTIONISDEF AULT	*(Optional)* Is true if the buyer chose the default shipping option. Character length and limitations: true or false
SHIPPINGOPTIONAMOUN T	*(Optional)* The shipping amount that was chosen by the buyer Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
SHIPPINGOPTIONNAME	*(Optional)* Is true if the buyer chose the default shipping option.

EbayItemPaymentDetailsItemType Fields

Field	Description
L_EBAYITEMNUMBERn	*(Optional)* Auction item number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMNUMBER0, L_EBAYITEMNUMBER1). Character length: 765 single-byte characters
L_EBAYITEMAUCTIONTX NIDn	*(Optional)* Auction transaction identification number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMAUCTIONTXNID0, L_EBAYITEMAUCTIONTXNID1). Character length: 255 single-byte characters
L_EBAYITEMORDERIDn	*(Optional)* Auction order identification number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMORDERID0, L_EBAYITEMORDERID1). Character length: 64 single-byte characters

Address Fields

Field	Description
NAME	Person's name associated with this shipping address. Required if using a shipping address. Character length and limitations: 32 single-byte characters.
SHIPTOSTREET	First street address. Required if using a shipping address. Character length and limitations: 100 single-byte characters.

Field	Description
SHIPTOSTREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
SHIPTOCITY	Name of city. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
SHIPTOSTATE	State or province. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
SHIPTOZIP	U.S. ZIP code or other country-specific postal code. Required if using a U.S. shipping address; may be required for other countries. Character length and limitations: 20 single-byte characters.
SHIPTOCOUNTRY	Country code. Required if using a shipping address. Character limit: 2 single-byte characters.
PHONENUM	*(Optional)* Phone number. Character length and limit: 20 single-byte characters.

DoExpressCheckoutPayment Response

- DoExpressCheckoutPayment Response Fields
- Payment Information Fields

DoExpressCheckoutPayment Response Fields

Field	Description
TOKEN	The timestamped token value that was returned by `SetExpressCheckout` response and passed on `GetExpressCheckoutDetails` request. Character length and limitations: 20 single-byte characters
NOTE	The text entered by the buyer on the PayPal website if the `ALLOWNOTE` field was set to `1` in `SetExpressCheckout`. Character length and limitations: 255 single-byte characters
REDIRECTREQUIRED	Flag to indicate whether you need to redirect the customer to back to PayPal after completing the transaction. **NOTE:** Use this field only if you are using giropay or bank transfer payment methods in Germany.
L_FMF*filterID*n	Filter ID, including the *filter* type, which is either `ACCEPT` or `DENY`, the filter *ID*, and the entry number, *n*, starting from 0. Filter *ID* is one of the following values: • 1 = AVS No Match • 2 = AVS Partial Match • 3 = AVS Unavailable/Unsupported • 4 = Card Security Code (CSC) Mismatch • 5 = Maximum Transaction Amount • 6 = Unconfirmed Address • 7 = Country Monitor • 8 = Large Order Number • 9 = Billing/Shipping Address Mismatch • 10 = Risky ZIP Code • 11 = Suspected Freight Forwarder Check • 12 = Total Purchase Price Minimum • 13 = IP Address Velocity • 14 = Risky Email Address Domain Check • 15 = Risky Bank Identification Number (BIN) Check • 16 = Risky IP Address Range • 17 = PayPal Fraud Model
L_FMF*filter*NAME*n*	Filter name, including the *filter* type, which is either `ACCEPT` or `DENY`, the filter *NAME*, and the entry number, *n*, starting from 0.

Payment Information Fields

Field	Description
TRANSACTIONID	Unique transaction ID of the payment. **NOTE:** If the PaymentAction of the request was `Authorization` or `Order`, this value is your AuthorizationID for use with the Authorization & Capture APIs. Character length and limitations:19 single-byte characters

Field	Description
TRANSACTIONTYPE	The type of transaction Character length and limitations:15 single-byte characters Valid values: • `cart` • `express-checkout`
PAYMENTTYPE	Indicates whether the payment is instant or delayed. Character length and limitations: Seven single-byte characters Valid values: • `none` • `echeck` • `instant`
ORDERTIME	Time/date stamp of payment
AMT	The final amount charged, including any shipping and taxes from your Merchant Profile. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
CURRENCYCODE	*(Optional)* A three-character currency code. Default: USD.
FEEAMT	PayPal fee amount charged for the transactionCharacter length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
SETTLEAMT	Amount deposited in your PayPal account after a currency conversion.
TAXAMT	Tax charged on the transaction. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
EXCHANGERATE	Exchange rate if a currency conversion occurred. Relevant only if your are billing in their non-primary currency. If the customer chooses to pay with a currency other than the non-primary currency, the conversion occurs in the customer's account.Character length and limitations: a decimal that does not exceed 17 characters, including decimal point
PAYMENTSTATUS	Status of the payment:Completed: The payment has been completed, and the funds have been added successfully to your account balance. Pending: The payment is pending. See the PendingReason element for more information.

Field	Description
PENDINGREASON	The reason the payment is pending: • `none`: No pending reason. • `address`: The payment is pending because your customer did not include a confirmed shipping address and your Payment Receiving Preferences is set such that you want to manually accept or deny each of these payments. To change your preference, go to the `Preferences` section of your `Profile`. • `authorization`: The payment is pending because it has been authorized but not settled. You must capture the funds first. • `echeck`: The payment is pending because it was made by an eCheck that has not yet cleared. • `intl`: The payment is pending because you hold a non-U.S. account and do not have a withdrawal mechanism. You must manually accept or deny this payment from your `Account Overview`. • `multi-currency`: You do not have a balance in the currency sent, and you do not have your `Payment Receiving Preferences` set to automatically convert and accept this payment. You must manually accept or deny this payment. • `order`: The payment is pending because it is part of an order that has been authorized but not settled. • `paymentreview`: The payment is pending while it is being reviewed by PayPal for risk. • `unilateral`: The payment is pending because it was made to an email address that is not yet registered or confirmed. • `verify`: The payment is pending because you are not yet verified. You must verify your account before you can accept this payment. • `other`: The payment is pending for a reason other than those listed above. For more information, contact PayPal customer service.
REASONCODE	The reason for a reversal if TransactionType is reversal: • `none`: No reason code • `chargeback`: A reversal has occurred on this transaction due to a chargeback by your customer. • `guarantee`: A reversal has occurred on this transaction due to your customer triggering a money-back guarantee. • `buyer-complaint`: A reversal has occurred on this transaction due to a complaint about the transaction from your customer. • `refund`: A reversal has occurred on this transaction because you have given the customer a refund. • `other`: A reversal has occurred on this transaction due to a reason not listed above.

5 GetTransactionDetails API

Obtain information about a specific transaction.

- "GetTransactionDetails Request" on page 75
- "GetTransactionDetails Response" on page 75

GetTransactionDetails Request

GetTransactionDetails Request Fields

Field	Description
METHOD	Must be GetTransactionDetails.
TRANSACTIONID	*(Required)* Unique identifier of a transaction.
	NOTE: The details for some kinds of transactions cannot be retrieved with GetTransactionDetails. You cannot obtain details of bank transfer withdrawals, for example.
	Character length and limitations: 17 single-byte alphanumeric characters.

GetTransactionDetails Response

NOTE: All fields defined in the formal structure of GetTransactionDetailsResponse are not necessarily returned. Data are returned in a response only if PayPal has recorded data that corresponds to the field.

- Receiver Information Fields
- Payer Information Fields
- Address Fields
- Payer Name Fields
- Payer Name Fields
- Payment Information Fields
- Payment Item Information Fields
- Subscription Fields
- Subscription Terms Fields

Receiver Information Fields

Field	Description
RECEIVEREMAIL	Primary email address of the payment recipient (the seller).
	If you are the recipient of the payment and the payment is sent to your non-primary email address, the value of Receiver is still your primary email address.
	Character length and limitations: 127 single-byte alphanumeric characters
RECEIVERID	Unique account ID of the payment recipient (the seller). This value is the same as the value of the recipient's referral ID.

Payer Information Fields

Field	Description
EMAIL	Email address of payer.
	Character length and limitations: 127 single-byte characters.
PAYERID	Unique PayPal customer account identification number.
	Character length and limitations:13 single-byte alphanumeric characters.
PAYERSTATUS	Status of payer. Valid values are:
	• verified
	• unverified
	Character length and limitations: 10 single-byte alphabetic characters.
SHIPTOCOUNTRYCODE	Payer's country of residence in the form of ISO standard 3166 two-character country codes.
	Character length and limitations: Two single-byte characters.
PAYERBUSINESS	Payer's business name.
	Character length and limitations: 127 single-byte characters.

Payer Name Fields

Field	Description
SALUTATION	Payer's salutation.
	Character length and limitations: 20 single-byte characters.
FIRSTNAME	Payer's first name.
	Character length and limitations: 25 single-byte characters.
MIDDLENAME	Payer's middle name.
	Character length and limitations: 25 single-byte characters.
LASTNAME	Payer's last name
	Character length and limitations: 25 single-byte characters.
SUFFIX	Payer's suffix
	Character length and limitations: 12 single-byte characters.

Address Fields

Field	Description
ADDRESSOWNER	eBay company that maintains this address. Valid values are: ● eBay ● PayPal
ADDRESSSTATUS	Status of street address on file with PayPal. Valid values are: ● none ● Confirmed ● Unconfirmed
SHIPTONAME	Person's name associated with this address. Character length and limitations: 32 single-byte characters.
SHIPTOSTREET	First street address. Character length and limitations: 100 single-byte characters.
SHIPTOSTREET2	Second street address. Character length and limitations: 100 single-byte characters.
SHIPTOCITY	Name of city. Character length and limitations: 40 single-byte characters.
SHIPTOSTATE	State or province. Character length and limitations: 40 single-byte characters. Required for U.S. addresses only.
SHIPTOZIP	U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
SHIPTOCOUNTRYCODE	Country code. Character limit: Two single-byte characters.
	Expanded name of country. Character length and limitations: 64 single-byte alphanumeric characters
SHIPTOPHONENUM	Country code. Character limit: Two single-byte characters.

Payment Information Fields

Field	Description
TRANSACTIONID	Unique transaction ID of the payment. Character length and limitations: 17 single-byte characters

Field	Description
PARENTTRANSACTIONID	• Parent or related transaction identification number. This field is populated for the following transaction types: • Reversal. Capture of an authorized transaction. • Reversal. Reauthorization of a transaction. • Capture of an order. The value of `ParentTransactionID` is the original `OrderID`. • Authorization of an order. The value of `ParentTransactionID` is the original `OrderID`. • Capture of an order authorization. • Void of an order. The value of `ParentTransactionID` is the original `OrderID`. Character length and limits: 16 digits in xxxx-xxxx-xxxx-xxxx format
RECEIPTID	Receipt identification number Character length and limits: 16 digits in xxxx-xxxx-xxxx-xxxx format
TRANSACTIONTYPE	The type of transaction Valid values: • `cart` • `express-checkout` Character length and limitations:15 single-byte characters
PAYMENTTYPE	Indicates whether the payment is instant or delayed. Character length and limitations: Seven single-byte characters Valid values: • `none` • `echeck` • `instant`
ORDERTIME	Time/date stamp of payment. For example: 2006-08-15T17:23:15Z.
AMT	The final amount charged, including any shipping and taxes from your Merchant Profile. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
CURRENCYCODE	A three-character currency code.
FEEAMT	PayPal fee amount charged for the transactionCharacter length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
SETTLEAMT	Amount deposited in your PayPal account after a currency conversion.

Field	Description
TAXAMT	Tax charged on the transaction. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
EXCHANGERATE	Exchange rate if a currency conversion occurred. Relevant only if your are billing in their non-primary currency. If the customer chooses to pay with a currency other than the non-primary currency, the conversion occurs in the customer's account.Character length and limitations: a decimal that does not exceed 17 characters, including decimal point
PAYMENTSTATUS	Status of the payment. The status of the payment: ● None: No status ● Canceled-Reversal: A reversal has been canceled; for example, when you win a dispute and the funds for the reversal have been returned to you. ● Completed: The payment has been completed, and the funds have been added successfully to your account balance. ● Denied: You denied the payment. This happens only if the payment was previously pending because of possible reasons described for the PendingReason element. ● Expired: the authorization period for this payment has been reached. ● Failed: The payment has failed. This happens only if the payment was made from your customer's bank account. ● In-Progress: The transaction has not terminated, e.g. an authorization may be awaiting completion. ● Partially-Refunded: The payment has been partially refunded. ● Pending: The payment is pending. See the PendingReason field for more information. ● Refunded: You refunded the payment. ● Reversed: A payment was reversed due to a chargeback or other type of reversal. The funds have been removed from your account balance and returned to the buyer. The reason for the reversal is specified in the ReasonCode element. ● Processed: A payment has been accepted. ● Voided: An authorization for this transaction has been voided.

Field	Description
PENDINGREASON	**NOTE:** PendingReason is returned in the response only if PaymentStatus is Pending.
	The reason the payment is pending:
	• none: No pending reason.
	• address: The payment is pending because your customer did not include a confirmed shipping address and your Payment Receiving Preferences is set such that you want to manually accept or deny each of these payments. To change your preference, go to the Preferences section of your Profile.
	• authorization: The payment is pending because it has been authorized but not settled. You must capture the funds first.
	• echeck: The payment is pending because it was made by an eCheck that has not yet cleared.
	• intl: The payment is pending because you hold a non-U.S. account and do not have a withdrawal mechanism. You must manually accept or deny this payment from your Account Overview.
	• multi-currency: You do not have a balance in the currency sent, and you do not have your Payment Receiving Preferences set to automatically convert and accept this payment. You must manually accept or deny this payment.
	• order: The payment is pending because it is part of an order that has been authorized but not settled.
	• paymentreview: The payment is pending while it is being reviewed by PayPal for risk.
	• unilateral: The payment is pending because it was made to an email address that is not yet registered or confirmed.
	• verify: The payment is pending because you are not yet verified. You must verify your account before you can accept this payment.
	• other: The payment is pending for a reason other than those listed above. For more information, contact PayPal customer service.
REASONCODE	The reason for a reversal if TransactionType is reversal:
	• none: No reason code
	• chargeback: A reversal has occurred on this transaction due to a chargeback by your customer.
	• guarantee: A reversal has occurred on this transaction due to your customer triggering a money-back guarantee.
	• buyer-complaint: A reversal has occurred on this transaction due to a complaint about the transaction from your customer.
	• refund: A reversal has occurred on this transaction because you have given the customer a refund.
	• other: A reversal has occurred on this transaction due to a reason not listed above.

Field	Description
PROTECTIONELIGIBILITY	The the kind of seller protection in force for the transaction, which is one of the following values: ● Eligible – Seller is protected by PayPal's Seller Protection Policy for Unauthorized Payments and Item Not Received ● PartiallyEligible – Seller is protected by PayPal's Seller Protection Policy for Item Not Received ● Ineligible – Seller is not protected under the Seller Protection Policy

Payment Item Information Fields

Field	Description
INVNUM	Invoice number you set in the original transaction.
	Character length and limitations: 127 single-byte alphanumeric characters
CUSTOM	Custom field you set in the original transaction.
	Character length and limitations: 127 single-byte alphanumeric characters
NOTE	Memo entered by your customer in PayPal Website Payments note field.
	Character length and limitations: 255 single-byte alphanumeric characters
SALESTAX	Amount of tax charged on payment.

Payment Item Fields

Field	Description
L_DESCn	Amount of tax charged on payment.
	These parameters must be ordered sequentially beginning with 0 (for example L_DESC0, L_DESC1).
L_NUMBERn	Item number set by you. If this was a shopping cart transaction, PayPal appends the number of the item to the HTML item_number variable. For example, item_number1, item_number2, and so forth.Character length and limitations: 127 single-byte alphanumeric characters
	These parameters must be ordered sequentially beginning with 0 (for example L_NUMBER0, L_NUMBER1).
L_QTYn	Quantity set by you or entered by the customer.
	Character length and limitations: no limit
L_AMTn	Cost of item.
	These parameters must be ordered sequentially beginning with 0 (for example L_AMT0, L_AMT1).
L_OPTIONSNAMEn	PayPal option names for an item in the shopping cart; each name corresponds to an option value. There can be multiple option names per item.
	The option names are ordered sequentially beginning with 0 (for example, L_OPTIONSNAMES0, L_OPTIONSNAME1).
L_OPTIONSVALUEn	PayPal option values corresponding to option names of an item in the shopping cart.
	The option names are ordered sequentially beginning with 0 (for example, L_OPTIONSVALUE0, L_OPTIONSVALUE1).

Auction Fields

Field	Description
BUYERID	Customer's auction ID
CLOSINGDATE	Auction's close date

Field	Description
MULTIITEM	Counter used for multi-item auction payments

Subscription Terms Fields

Field	Description
AMT	The amount subscriber is to be charged in one payment. Character length and limitations: no limit
PERIOD	The period of time that the subscriber will be charged. Character length and limitations: no limit

6 MassPay API

Make a payment to one or more PayPal account holders.

- "MassPay Request" on page 85
- "MassPay Response" on page 87

MassPay Request

- MassPay Request Fields
- MassPay Item Details Fields

MassPay Request Fields

Field	Description
METHOD	*(Required)* Must be MassPay.
EMAILSUBJECT	*(Optional)* The subject line of the email that PayPal sends when the transaction is completed. The subject line is the same for all recipients. Character length and limitations: 255 single-byte alphanumeric characters.
CURRENCYCODE	A three-character currency code. See "Currency Codes" on page 239.
RECEIVERTYPE	*(Optional)* Indicates how you identify the recipients of payments in this call to MassPay. Must be EmailAddress or UserID

MassPay Item Type Fields

Field	Description
L_EMAILn	*(See description)* Email address of recipient. **NOTE:** You must specify either L_EMAIL*n* or L_RECEIVERID*n*, but you must not mix the two in the group of MassPay items. Use only one or the other, but not both, in a single request. These parameters must be ordered sequentially beginning with 0 (for example L_EMAIL0, L_EMAIL1). Character length and limitations: 127 single-byte characters maximum.
L_RECEIVERIDn	*(See description)* Unique PayPal customer account number. This value corresponds to the value of PayerID returned by GetTransactionDetails. **NOTE:** You must specify either L_EMAIL*n* or L_RECEIVERID*n*, but you must not mix the two in the group of MassPay items. Use only one or the other, but not both, in a single request. These parameters must be ordered sequentially beginning with 0 (for example L_RECEIVERID0, L_RECEIVERID1). Character length and limitations: 17 single-byte characters maximum.
L_AMTn	*(Required)* Payment amount. These parameters must be ordered sequentially beginning with 0 (for example L_AMT0, L_AMT1). **NOTE:** You cannot mix currencies in a single MassPayRequest. A single request must include items that are of the same currency.
L_UNIQUEIDn	*(Optional)* Transaction-specific identification number for tracking in an accounting system. These parameters must be ordered sequentially beginning with 0 (for example L_UNIQUEID0, L_UNIQUEID1). Character length and limitations: 30 single-byte characters. No whitespace allowed.
L_NOTEn	*(Optional)* Custom note for each recipient. Character length and limitations: 4,000 single-byte alphanumeric characters.

MassPay Response

The fields in the response are the standard response header fields.

7 RefundTransaction API

Issue a refund to the PayPal account holder associated with a transaction.

RefundTransaction Request

RefundTransaction Request Fields

Field	Description
METHOD	*(Required)* Must be `RefundTransaction`.
TRANSACTIONID	*(Required)* Unique identifier of a transaction. Character length and limitations: 17 single-byte alphanumeric characters.
REFUNDTYPE	*(Required)* Type of refund you are making: • `Other` • `Full` • `Partial`
AMT	*(See description)* Refund amount. Amount is required if `RefundType` is `Partial`. **NOTE:** If `RefundType` is `Full`, do not set `Amount`.
NOTE	*(Optional)* Custom memo about the refund. Character length and limitations: 255 single-byte alphanumeric characters.

RefundTransaction Response

RefundTransaction Response Fields

Field	Description
REFUNDTRANSACTIONID	Unique transaction ID of the refund. Character length and limitations:17 single-byte characters.
FEEREFUNDAMT	Transaction fee refunded to original recipient of payment.
GROSSREFUNDAMT	Amount of money refunded to original payer.
NETREFUNDAMT	Amount subtracted from PayPal balance of original recipient of payment to make this refund.

8　TransactionSearch API

Search transaction history for transactions that meet the specified criteria.

TransactionSearch Request

TransactionSearch Request Fields

Field	Description
METHOD	*(Required)* Must be `TransactionSearch`.
STARTDATE	*(Required)* The earliest transaction date at which to start the search. No wildcards are allowed. The value must be in UTC/GMT format.
ENDDATE	*(Optional)* The latest transaction date to be included in the search.
EMAIL	*(Optional)* Search by the buyer's email address. Character length and limitations: 127 single-byte alphanumeric characters.
RECEIVER	*(Optional)* Search by the receiver's email address. If the merchant account has only one email, this is the primary email. Can also be a non-primary email.
RECEIPTID	*(Optional)* Search by the PayPal Account Optional receipt ID.
TRANSACTIONID	*(Optional)* Search by the transaction ID. The returned results are from the merchant's transaction records. Character length and limitations: 19 single-byte characters maximum.
INVNUM	*(Optional)* Search by invoice identification key, as set by you for the original transaction. This field searches the records for items sold by the merchant, not the items purchased. **N O T E :** No wildcards are allowed. Character length and limitations: 127 single-byte characters maximum.
ACCT	*(Optional)* Search by credit card number, as set by you for the original transaction. This field searches the records for items sold by the merchant, not the items purchased. **N O T E :** No wildcards are allowed. Character length and limitations: Must be at least 11 and no more than 25 single-byte numeric characters maximum. Special punctuation, such as dashes or spaces, is ignored.
AUCTIONITEMNUMBER	*(Optional)* Search by auction item number of the purchased goods.

Field	Description
TRANSACTIONCLASS	*(Optional)* Search by classification of transaction.
	Some kinds of possible classes of transactions are not searchable with this field. You cannot search for bank transfer withdrawals, for example.
	• `All`: all transaction classifications
	• `Sent`: only payments sent
	• `Received`: only payments received
	• `MassPay`: only mass payments
	• `MoneyRequest`: only money requests
	• `FundsAdded`: only funds added to balance
	• `FundsWithdrawn`: only funds withdrawn from balance
	• `Referral`: only transactions involving referrals
	• `Fee`: only transactions involving fees
	• `Subscription`: only transactions involving subscriptions
	• `Dividend`: only transactions involving dividends
	• `Billpay`: only transactions involving BillPay Transactions
	• `Refund`: only transactions involving funds
	• `CurrencyConversions`: only transactions involving currency conversions
	• `BalanceTransfer`: only transactions involving balance transfers
	• `Reversal`: only transactions involving BillPay reversals
	• `Shipping`: only transactions involving UPS shipping fees
	• `BalanceAffecting`: only transactions that affect the account balance
	• `ECheck`: only transactions involving eCheck
AMT	*(Optional)* Search by transaction amount.
	NOTE: You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
CURRENCYCODE	*(Optional)* Search by currency code.
STATUS	*(Optional)* Search by transaction status:
	• `Pending`: The payment is pending. The specific reason the payment is pending is returned by the GetTransactionDetails API `PendingReason` field.
	• `Processing`: The payment is being processed.
	• `Success`: The payment has been completed and the funds have been added successfully to your account balance.
	• `Denied`: You denied the payment. This happens only if the payment was previously pending.
	• `Reversed`: A payment was reversed due to a chargeback or other type of reversal. The funds have been removed from your account balance and returned to the buyer.

Payer Name Fields

Field	Description
SALUTATION	Payer's salutation. Character length and limitations: 20 single-byte characters.
FIRSTNAME	Payer's first name. Character length and limitations: 25 single-byte characters.
MIDDLENAME	Payer's middle name. Character length and limitations: 25 single-byte characters.
LASTNAME	Payer's last name Character length and limitations: 25 single-byte characters.
SUFFIX	Payer's suffix Character length and limitations: 12 single-byte characters.

TransactionSearch Response

TransactionSearch Response Fields

Field	Description
L_TIMESTAMPn	The date and time (in UTC/GMT format) the transaction occurred.
L_TIMEZONEn	The time zone of the transaction.
L_TYPEn	The type of the transaction.
L_EMAILn	The email address of either the payer or the payment recipient (the "payee"). If the payment amount is positive, this field is the recipient of the funds. If the payment is negative, this field is the paying customer.
L_NAMEn	Display name of the payer.
L_TRANSACTIONIDn	Seller's transaction ID.
L_STATUSn	The status of the transaction.
L_AMTn	The total gross amount charged, including any profile shipping cost and taxes.
L_FEEAMTn	The fee that PayPal charged for the transaction.
L_NETAMTn	The net amount of the transaction.

9 Recurring Payments and Reference Transactions API

Operations

This chapter describes the PayPal API operations related to recurring payments and reference transactions:

CreateRecurringPaymentsProfile API

Create a recurring payments profile.

You must invoke the `CreateRecurringPaymentsProfile` API operation for each profile you want to create. The API operation creates a profile and an associated billing agreement.

NOTE: There is a one-to-one correspondence between billing agreements and recurring payments profiles. To associate a a recurring payments profile with its billing agreement, the description in the recurring payments profile must match the description of a billing agreement. For version 54.0 and later, use `SetExpressCheckout` to initiate creation of a billing agreement.

CreateRecurringPaymentsProfile Request

- CreateRecurringPaymentsProfile Request
- Recurring Payments Profile Details
- Schedule Details

- Billing Period Details
- Activation Details
- Ship To Address
- Credit Card Details
- Payer Information
- Payer Name
- Billing Address

CreateRecurringPaymentsProfile Request Fields

Field	Description
METHOD	*(Required)* Must be `CreateRecurringPaymentsProfile`.
TOKEN	A timestamped token, the value of which was returned in the response to the first call to `SetExpressCheckout`. You can also use the token returned in the `SetCustomerBillingAgreement` response. Either this token or a credit card number is required. If you include both token and credit card number, the token is used and credit card number is ignored. Call `CreateRecurringPaymentsProfile` once for each billing agreement included in `SetExpressCheckout` request and use the same token for each call. Each `CreateRecurringPaymentsProfile` request creates a single recurring payments profile. **NOTE:** Tokens expire after approximately 3 hours.

Recurring Payments Profile Details Fields

Field	Description
SUBSCRIBERNAME	*(Optional)* Full name of the person receiving the product or service paid for by the recurring payment. If not present, the name in the buyer's PayPal account is used. Character length and limitations: 32 single-byte characters.
PROFILESTARTDATE	*(Required)* The date when billing for this profile begins. Must be a valid date, in UTC/GMT format. **NOTE:** The profile may take up to 24 hours for activation.
PROFILEREFERENCE	*(Optional)* The merchant's own unique reference or invoice number. Character length and limitations: 127 single-byte alphanumeric characters.

ScheduleDetails Fields

Field	Description
DESC	*(Required)* Description of the recurring payment. **NOTE:** This field must match the corresponding billing agreement description included in the `SetExpressCheckout` request. Character length and limitations: 127 single-byte alphanumeric characters
MAXFAILEDPAYMENTS	*(Optional)* The number of scheduled payments that can fail before the profile is automatically suspended. An IPN message is sent to the merchant when the specified number of failed payments is reached. Character length and limitations: Number string representing an integer.

Field	Description
AUTOBILLAMT	*(Optional)* This field indicates whether you would like PayPal to automatically bill the outstanding balance amount in the next billing cycle. The outstanding balance is the total amount of any previously failed scheduled payments that have yet to be successfully paid. Valid values: Must be `NoAutoBill` or `AddToNextBilling`.

Billing Period Details Type

Field	Description
BILLINGPERIOD	*(Required)* Unit for billing during this subscription period. One of the following values: • Day • Week • SemiMonth • Month • Year For SemiMonth, billing is done on the 1st and 15th of each month. **NOTE:** The combination of BillingPeriod and BillingFrequency cannot exceed one year.
BILLINGFREQUENCY	*(Required)* Number of billing periods that make up one billing cycle. The combination of billing frequency and billing period must be less than or equal to one year. For example, if the billing cycle is Month, the maximum value for billing frequency is 12. Similarly, if the billing cycle is Week, the maximum value for billing frequency is 52. **NOTE:** If the billing period is SemiMonth., the billing frequency must be 1.
TOTALBILLINGCYCLES	*(Optional)* The number of billing cycles for payment period. • For the regular payment period, if no value is specified or the value is 0, the regular payment period continues until the profile is canceled or deactivated. • For the regular payment period, if the value is greater than 0, the regular payment period will expire after the trial period is finished and continue at the billing frequency for TotalBillingCycles cycles.
AMT	*(Required)* Billing amount for each billing cycle during this payment period. This amount does not include shipping and tax amounts. **NOTE:** All amounts in the CreateRecurringPaymentsProfile request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
TRIALBILLINGPERIOD	Unit for billing during this subscription period; required if you specify an optional trial period. One of the following values: • Day • Week • SemiMonth • Month • Year For SemiMonth, billing is done on the 1st and 15th of each month. **NOTE:** The combination of BillingPeriod and BillingFrequency cannot exceed one year.

Field	Description
TRIALBILLINGFREQUENCY	Number of billing periods that make up one billing cycle; required if you specify an optional trial period. The combination of billing frequency and billing period must be less than or equal to one year. For example, if the billing cycle is Month, the maximum value for billing frequency is 12. Similarly, if the billing cycle is Week, the maximum value for billing frequency is 52. **NOTE:** If the billing period is SemiMonth., the billing frequency must be 1.
TRIALTOTALBILLINGCYCLES	*(Optional)* The number of billing cycles for trial payment period.
TRIALAMT	Billing amount for each billing cycle during this payment period; required if you specify an optional trial period. This amount does not include shipping and tax amounts. **NOTE:** All amounts in the CreateRecurringPaymentsProfile request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
CURRENCYCODE	*(Required)* A three-character currency code. Default: USD
SHIPPINGAMT	*(Optional)* Shipping amount for each billing cycle during this payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
TAXAMT	*(Optional)* Tax amount for each billing cycle during this payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.

Activation Details Type

Field	Description
INITAMT	*(Optional)* Initial non-recurring payment amount due immediately upon profile creation. Use an initial amount for enrolment or set-up fees. **NOTE:** All amounts included in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
FAILEDINITAMTACTION	*(Optional)* By default, PayPal will suspend the pending profile in the event that the initial payment amount fails. You can override this default behavior by setting this field to `ContinueOnFailure`, which indicates that if the initial payment amount fails, PayPal should add the failed payment amount to the outstanding balance for this recurring payment profile. When this flag is set to `ContinueOnFailure`, a success code will be returned to the merchant in the `CreateRecurringPaymentsProfile` response and the recurring payments profile will be activated for scheduled billing immediately. You should check your IPN messages or PayPal account for updates of the payment status. If this field is not set or is set to `CancelOnFailure`, PayPal will create the recurring payment profile, but will place it into a pending status until the initial payment is completed. If the initial payment clears, PayPal will notify you by IPN that the pending profile has been activated. If the payment fails, PayPal will notify you by IPN that the pending profile has been canceled. Character length and limitations: `ContinueOnFailure` or `CancelOnFailure`.

Ship To Address Fields

Field	Description
SHIPTONAME	Person's name associated with this address. This field is required for shipping addresses but is optional for credit card billing addresses. Character length and limitations: 32 single-byte characters.
SHIPTOSTREET	First street address. This field is required if the shipping address is used. Character length and limitations: 100 single-byte characters.
SHIPTOSTREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
SHIPTOCITY	Name of city. This field is required if the shipping address is used. Character length and limitations: 40 single-byte characters.
SHIPTOSTATE	State or province. This field is required if the shipping address is used. Character length and limitations: 40 single-byte characters.
SHIPTOZIP	U.S. ZIP code or other country-specific postal code. This field is required if a U.S. shipping address is used and may be required for other countries. Character length and limitations: 20 single-byte characters.

Field	Description
SHIPTOCOUNTRYCODE	Country code. This field is required if the shipping address is used. Character limit: 2 single-byte characters.
SHIPTOPHONENUM	*(Optional)* Phone number. Character length and limit: 20 single-byte characters.

Credit Card Details Fields

Field	Description
CREDITCARDTYPE	*(Required)* Type of credit card. Character length and limitations: Up to ten single-byte alphabetic characters. Allowable values: • Visa • MasterCard • Discover • Amex • Maestro: See note. • Solo: See note. For Canada, only MasterCard and Visa are allowable; Interac debit cards are not supported. **NOTE:** If the credit card type is Maestro or Solo, the CURRENCYCODE must be GBP. In addition, either STARTDATE or ISSUENUMBER must be specified.
ACCT	*(Required)* Credit card number. Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.
EXPDATE	Credit card expiration date. This field is required if you are using recurring payments with direct payments. Format: MMYYYY Character length and limitations: Six single-byte alphanumeric characters, including leading zero.
CVV2	Card Verification Value, version 2. Your Merchant Account settings determine whether this field is required. Character length for Visa, MasterCard, and Discover: exactly three digits.Character length for American Express: exactly four digits.To comply with credit card processing regulations, you must not store this value after a transaction has been completed.
STARTDATE	*(Optional)* Month and year that Maestro or Solo card was issued, the MMYYYY format. Character length: Must be six digits, including leading zero.
ISSUENUMBER	*(Optional)* Issue number of Maestro or Solo card.Character length: two numeric digits maximum.

PayerInfo Type Fields

Field	Description
EMAIL	Email address of payer. Character length and limitations: 127 single-byte characters.
PAYERID	Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters.

Field	Description
PAYERSTATUS	Status of payer. Valid values are: • `verified` • `unverified` Character length and limitations: 10 single-byte alphabetic characters.
COUNTRYCODE	Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters.
BUSINESS	Payer's business name. Character length and limitations: 127 single-byte characters.

Payer Name Fields

Field	Description
SALUTATION	Payer's salutation. Character length and limitations: 20 single-byte characters.
FIRSTNAME	Payer's first name. Character length and limitations: 25 single-byte characters.
MIDDLENAME	Payer's middle name. Character length and limitations: 25 single-byte characters.
LASTNAME	Payer's last name Character length and limitations: 25 single-byte characters.
SUFFIX	Payer's suffix Character length and limitations: 12 single-byte characters.

Address Fields

Field	Description
STREET	*(Required)* First street address. Character length and limitations: 100 single-byte characters.
STREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
CITY	*(Required)* Name of city. Character length and limitations: 40 single-byte characters.
STATE	*(Required)* State or province. Character length and limitations: 40 single-byte characters.
COUNTRYCODE	*(Required)* Country code. Character limit: Two single-byte characters.
ZIP	*(Required)* U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
PHONENUM	*(Optional)* Phone number. Character length and limit: 20 single-byte characters.

CreateRecurringPaymentsProfile Response

CreateRecurringPaymentsProfile Response Fields

Field	Description
PROFILEID	A unique identifier for future reference to the details of this recurring payment. Character length and limitations: Up to 14 single-byte alphanumeric characters.

Field	Description
STATUS	Status of the recurring payment profile. • `ActiveProfile` - The recurring payment profile has been successfully created and activated for scheduled payments according the billing instructions from the recurring payments profile. • `PendingProfile` - The system is in the process of creating the recurring payment profile. Please check your IPN messages for an update.

GetRecurringPaymentsProfileDetails API

Obtain information about a recurring payments profile.

GetRecurringPaymentsProfileDetails Request

GetRecurringPaymentsProfileDetails Request Fields

Field	Description
METHOD	*(Required)* Must be `GetRecurringPaymentsProfileDetails`.
PROFILEID	*(Required)* Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. Character length and limitations: 14 single-byte alphanumeric characters. 19 character profile IDs are supported for compatability with previous versions of the PayPal API.

GetRecurringPaymentsProfileDetails Response

- GetRecurringPaymentsProfileDetails Response Fields
- Recurring Payments Profile Fields
- Ship To Address Fields
- Billing Period Fields
- Recurring Payments Summary Fields
- Credit Card Fields
- Payer Information Fields
- Billing Address Fields

GetRecurringPaymentsProfileDetails Response Fields

Field	Description
PROFILEID	Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response.
STATUS	Status of the recurring payment profile. • `ActiveProfile` • `PendingProfile` • `CancelledProfile` • `SuspendedProfile` • `ExpiredProfile`
DESC	Description of the recurring payment. Character length and limitations: 127 single-byte alphanumeric characters.
AUTOBILLOUTAMT	This field indicates whether you would like PayPal to automatically bill the outstanding balance amount in the next billing cycle. The outstanding balance is the total amount of any previously failed scheduled payments that have yet to be successfully paid. Valid values: `NoAutoBill` or `AddToNextBilling`.
MAXFAILEDPAYMENTS	The number of scheduled payments that can fail before the profile is automatically suspended. Character length and limitations: Number string representing an integer.
AGGREGATEAMOUNT	Total amount collected thus far for scheduled payments. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
AGGREGATEOPTIONALAMOUNT	Total amount collected thus far for optional payments. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
FINALPAYMENTDUEDATE	Final scheduled payment due date before the profile expires.

Recurring Payments Profile Details Fields

Field	Description
SUBSCRIBERNAME	Full name of the person receiving the product or service paid for by the recurring payment. If not present, the name in the buyer's PayPal account is used. Character length and limitations: 32 single-byte characters.
PROFILESTARTDATE	The date when billing for this profile begins. Must be a valid date, in UTC/GMT format. **NOTE:** The profile may take up to 24 hours for activation.

Field	Description
PROFILEREFERENCE	The merchant's own unique reference or invoice number. Character length and limitations: 127 single-byte alphanumeric characters.

Ship To Address Type Fields

Field	Description
ADDRESSSTATUS	Status of street address on file with PayPal. Valid values are: • none • Confirmed • Unconfirmed
SHIPTONAME	Person's name associated with this address. Character length and limitations: 32 single-byte characters.
SHIPTOSTREET	First street address. Character length and limitations: 100 single-byte characters.
SHIPTOSTREET2	Second street address. Character length and limitations: 100 single-byte characters.
SHIPTOCITY	Name of city. Character length and limitations: 40 single-byte characters.
SHIPTOSTATE	State or province. Character length and limitations: 40 single-byte characters. Required for U.S. addresses only.
SHIPTOZIP	U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
SHIPTOCOUNTRYCODE	Country code. Character limit: Two single-byte characters.

Billing Period Details Type

Field	Description
BILLINGPERIOD	Unit for billing during this subscription period. One of the following values: • Day • Week • SemiMonth • Month • Year For SemiMonth, billing is done on the 1st and 15th of each month. **NOTE:** The combination of BillingPeriod and BillingFrequency cannot exceed one year.

Field	Description
BILLINGFREQUENCY	Number of billing periods that make up one billing cycle. The combination of billing frequency and billing period must be less than or equal to one year. For example, if the billing cycle is `Month`, the maximum value for billing frequency is 12. Similarly, if the billing cycle is `Week`, the maximum value for billing frequency is 52. **NOTE:** If the billing period is `SemiMonth.`, the billing frequency must be 1.
TOTALBILLINGCYCLES	The number of billing cycles for payment period (either the regular payment period or the trial period). • For the trial period, the value must be greater than 0. • For the regular payment period, if no value is specified or the value is 0, the regular payment period continues until the profile is canceled or deactivated. • For the regular payment period, if the value is greater than 0, the regular payment period will expire after the trial period is finished and continue at the billing frequency for `TotalBillingCycles` cycles.
AMT	Billing amount for each billing cycle during this payment period. This amount does not include shipping and tax amounts. **NOTE:** All amounts in the `CreateRecurringPaymentsProfile` request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
SHIPPINGAMT	Shipping amount for each billing cycle during this payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
TAXAMT	Tax amount for each billing cycle during this payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.

Recurring Payments Summary Details Fields

Field	Description
NEXTBILLINGDATE	The next scheduled billing date, in YYYY-MM-DD format.
NUMCYCYLESCOMPLETED	The number of billing cycles completed in the current active subscription period. A billing cycle is considered completed when payment is collected or after retry attempts to collect payment for the current billing cycle have failed.
NUMCYCLESREMAINING	The number of billing cycles remaining in the current active subscription period.
OUTSTANDINGBALANCE	The current past due or outstanding balance for this profile. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
FAILEDPAYMENTCOUNT	The total number of failed billing cycles for this profile.
LASTPAYMENTDATE	The date of the last successful payment received for this profile, in YYYY-MM-DD format.
LASTPAYMENTAMT	The amount of the last successful payment received for this profile. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.

Credit Card Details Fields

Field	Description
CREDITCARDTYPE	Type of credit card. Character length and limitations: Up to ten single-byte alphabetic characters. Allowable values: ● Visa ● MasterCard ● Discover ● Amex ● Maestro: See important note. ● Solo: See important note. **NOTE:** If the credit card type is Maestro or Solo, the currencyId must be GBP. In addition, either StartMonth and StartYear or IssueNumber must be specified.
ACCT	Credit card number. Only the last 4 digits of the credit card number are returned. Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.

Field	Description
EXPDATE	Credit card expiration date. This field is required if you are using recurring payments with direct payments. Format: MMYYYY Character length and limitations: Six single-byte alphanumeric characters, including leading zero.
STARTDATE	Month and year that Maestro or Solo card was issued, the MMYYYY format. Character length: Must be six digits, including leading zero.
ISSUENUMBER	Issue number of Maestro or Solo card.Character length: two numeric digits maximum.

Payer Info Type Fields

Field	Description
	Email address of payer. Character length and limitations: 127 single-byte characters.
FIRSTNAME	Payer's first name. Character length and limitations: 25 single-byte characters.
LASTNAME	Payer's last name. Character length and limitations: 25 single-byte characters.

Address Fields

Field	Description
STREET	First street address. Character length and limitations: 100 single-byte characters.
STREET2	Second street address. Character length and limitations: 100 single-byte characters.
CITY	Name of city. Character length and limitations: 40 single-byte characters.
STATE	State or province. Character length and limitations: 40 single-byte characters.
COUNTRYCODE	Country code. Character limit: Two single-byte characters.
ZIP	U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
PHONENUM	Phone number. Character length and limit: 20 single-byte characters.

ManageRecurringPaymentsProfileStatus API

Cancel, suspend, or reactivate a recurring payments profile.

- "ManageRecurringPaymentsProfileStatus Request" on page 114
- "ManageRecurringPaymentsProfileStatus Response" on page 114

ManageRecurringPaymentsProfileStatus Request

ManageRecurringPaymentsProfileStatus Request Fields

Field	Description
METHOD	*(Required)* Must be `ManageRecurringPaymentsProfileStatus`.
PROFILEID	*(Required)* Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. Character length and limitations: 14 single-byte alphanumeric characters. 19 character profile IDs are supported for compatability with previous versions of the PayPal API.
ACTION	*(Required)* The action to be performed to the recurring payments profile. Must be one of the following: • `Cancel` - Only profiles in Active or Suspended state can be canceled. • `Suspend` - Only profiles in Active state can be suspended. • `Reactivate` - Only profiles in a suspended state can be reactivated.
NOTE	*(Optional)* The reason for the change in status. For profiles created using Express Checkout, this message will be included in the email notification to the buyer when the status of the profile is successfully changed, and can also be seen by both you and the buyer on the Status History page of the PayPal account.

ManageRecurringPaymentsProfileStatus Response

ManageRecurringPaymentsProfileStatus Response Fields

Field	Description
PROFILEID	Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. For each action, an error is returned if the recurring payments profile has a status that is not compatible with the action. Errors are returned in the following cases: • `Cancel` - Profile status is not Active or Suspended. • `Suspend` - Profile status is not Active. • `Reactivate` - Profile status is not Suspended.

BillOutstandingAmount API

Bill the buyer for the outstanding balance associated with a recurring payments profile.

- "BillOutstandingAmount Request" on page 115
- "BillOutstandingAmount Response" on page 115

BillOutstandingAmount Request

BillOutstandingAmount Request Fields

Field	Description
METHOD	*(Required)* Must be `BillOutstandingAmount`.
PROFILEID	*(Required)* Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. Character length and limitations: 14 single-byte alphanumeric characters. 19 character profile IDs are supported for compatability with previous versions of the PayPal API. **NOTE:** The profile must have a status of either `Active` or `Suspended`.
AMT	*(Optional)* The amount to bill. The amount must be less than or equal to the current outstanding balance of the profile. If no value is specified, PayPal will attempt to bill the entire outstanding balance amount. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
NOTE	*(Optional)* The reason for the non-scheduled payment. For profiles created using Express Checkout, this message will be included in the email notification to the buyer for the non-scheduled payment transaction, and can also be seen by both you and the buyer on the Status History page of the PayPal account.

BillOutstandingAmount Response

BillOutstandingAmount Response Fields

Field	Description
PROFILEID	Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. An error is returned if the profile specified in the `BillOutstandingAmount` request has a status of canceled or expired.

UpdateRecurringPaymentsProfile API

Update a recurring payments profile.

UpdateRecurringPaymentsProfile Request

- UpdateRecurringPaymentsProfile Request Fields
- Ship To Address Fields
- Credit Card Fields
- Payer Information Fields
- Address Fields

UpdateRecurringPaymentsProfile Request Fields

Field	Description
METHOD	*(Required)* Must be `UpdateRecurringPaymentsProfile`.
PROFILEID	*(Required)* Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. Character length and limitations: 14 single-byte alphanumeric characters. 19 character profile IDs are supported for compatability with previous versions of the PayPal API.
NOTE	*(Optional)* The reason for the update to the recurring payments profile. This message will be included in the email notification to the buyer for the recurring payments profile update. This note can also be seen by both you and the buyer on the Status History page of the PayPal account.
DESC	*(Optional)* Description of the recurring payment. Character length and limitations: 127 single-byte alphanumeric characters.
SUBSCRIBERNAME	*(Optional)* Full name of the person receiving the product or service paid for by the recurring payment. If not present, the name in the buyer's PayPal account is used. Character length and limitations: 32 single-byte characters.
PROFILEREFERENCE	*(Optional)* The merchant's own unique reference or invoice number. Character length and limitations: 127 single-byte alphanumeric characters.
ADDITIONALBILLINGCYCLES	*(Optional)* The number of additional billing cycles to add to this profile.
AMT	*(Optional)* Billing amount for each cycle in the subscription period, not including shipping and tax amounts. **NOTE:** For recurring payments with Express Checkout, the payment amount can be increased by no more than 20% every 180 days (starting when the profile is created). Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
SHIPPINGAMT	*(Optional)* Shipping amount for each billing cycle during the regular payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.

Field	Description
TAXAMT	*(Optional)* Tax amount for each billing cycle during the regular payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
OUTSTANDINGAMT	*(Optional)* The current past due or outstanding amount for this profile. You can only decrease the outstanding amount—it cannot be increased. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
AUTOBILLOUTAMT	*(Optional)* This field indicates whether you would like PayPal to automatically bill the outstanding balance amount in the next billing cycle. Valid values: Must be `NoAutoBill` or `AddToNextBilling`.
MAXFAILEDPAYMENTS	*(Optional)* The number of failed payments allowed before the profile is automatically suspended. The specified value cannot be less than the current number of failed payments for this profile. Character length and limitations: Number string representing an integer.
PROFILESTARTDATE	*(Optional)* The date when billing for this profile begins. Must be a valid date, in UTC/GMT format. **NOTE:** The profile may take up to 24 hours for activation.

Ship To Address Fields

Field	Description
SHIPTONAME	Person's name associated with this address. This field is required for shipping addresses but is optional for credit card billing addresses. Character length and limitations: 32 single-byte characters.
SHIPTOSTREET	First street address. This field is required if the shipping address is used. Character length and limitations: 100 single-byte characters.
SHIPTOSTREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
SHIPTOCITY	Name of city. This field is required if the shipping address is used. Character length and limitations: 40 single-byte characters.
SHIPTOSTATE	State or province. This field is required if the shipping address is used. Character length and limitations: 40 single-byte characters.
SHIPTOZIP	U.S. ZIP code or other country-specific postal code. This field is required if a U.S. shipping address is used and may be required for other countries. Character length and limitations: 20 single-byte characters.
SHIPTOCOUNTRYCODE	Country code. This field is required if the shipping address is used. Character limit: 2 single-byte characters.
SHIPTOPHONENUM	*(Optional)* Phone number. Character length and limit: 20 single-byte characters.

Billing Period Details Type

Field	Description
BILLINGPERIOD	*(Required)* Unit for billing during this subscription period. One of the following values: • Day • Week • SemiMonth • Month • Year For SemiMonth, billing is done on the 1st and 15th of each month. **NOTE:** The combination of BillingPeriod and BillingFrequency cannot exceed one year.
BILLINGFREQUENCY	*(Required)* Number of billing periods that make up one billing cycle. The combination of billing frequency and billing period must be less than or equal to one year. For example, if the billing cycle is Month, the maximum value for billing frequency is 12. Similarly, if the billing cycle is Week, the maximum value for billing frequency is 52. **NOTE:** If the billing period is SemiMonth., the billing frequency must be 1.

Field	Description
TOTALBILLINGCYCLES	*(Optional)* The number of billing cycles for payment period. ● For the regular payment period, if no value is specified or the value is 0, the regular payment period continues until the profile is canceled or deactivated. ● For the regular payment period, if the value is greater than 0, the regular payment period will expire after the trial period is finished and continue at the billing frequency for `TotalBillingCycles` cycles.
AMT	*(Required)* Billing amount for each billing cycle during this payment period. This amount does not include shipping and tax amounts. **NOTE:** All amounts in the `CreateRecurringPaymentsProfile` request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
TRIALBILLINGPERIOD	Unit for billing during this subscription period; required if you specify an optional trial period. One of the following values: ● `Day` ● `Week` ● `SemiMonth` ● `Month` ● `Year` For `SemiMonth`, billing is done on the 1st and 15th of each month. **NOTE:** The combination of `BillingPeriod` and `BillingFrequency` cannot exceed one year.
TRIALBILLINGFREQUENCY	Number of billing periods that make up one billing cycle; required if you specify an optional trial period. The combination of billing frequency and billing period must be less than or equal to one year. For example, if the billing cycle is `Month`, the maximum value for billing frequency is 12. Similarly, if the billing cycle is `Week`, the maximum value for billing frequency is 52. **NOTE:** If the billing period is `SemiMonth.`, the billing frequency must be 1.
TRIALTOTALBILLINGCYCLES	*(Optional)* The number of billing cycles for trial payment period.

Field	Description
TRIALAMT	Billing amount for each billing cycle during this payment period; required if you specify an optional trial period. This amount does not include shipping and tax amounts.
	NOTE: All amounts in the `CreateRecurringPaymentsProfile` request must have the same currency.
	Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
CURRENCYCODE	*(Required)* A three-character currency code.
	Default: USD
SHIPPINGAMT	*(Optional)* Shipping amount for each billing cycle during this payment period.
	NOTE: All amounts in the request must have the same currency.
	Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
TAXAMT	*(Optional)* Tax amount for each billing cycle during this payment period.
	NOTE: All amounts in the request must have the same currency.
	Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.

Credit Card Details Fields

Field	Description
CREDITCARDTYPE	*(Required)* Type of credit card. Character length and limitations: Up to ten single-byte alphabetic characters. Allowable values: • Visa • MasterCard • Discover • Amex • Maestro: See note. • Solo: See note. For Canada, only MasterCard and Visa are allowable; Interac debit cards are not supported. **NOTE:** If the credit card type is Maestro or Solo, the CURRENCYCODE must be GBP. In addition, either STARTDATE or ISSUENUMBER must be specified.
ACCT	*(Required)* Credit card number. Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.
EXPDATE	Credit card expiration date. This field is required if you are using recurring payments with direct payments. Format: MMYYYY Character length and limitations: Six single-byte alphanumeric characters, including leading zero.
CVV2	Card Verification Value, version 2. Your Merchant Account settings determine whether this field is required. Character length for Visa, MasterCard, and Discover: exactly three digits.Character length for American Express: exactly four digits.To comply with credit card processing regulations, you must not store this value after a transaction has been completed.
STARTDATE	*(Optional)* Month and year that Maestro or Solo card was issued, the MMYYYY format. Character length: Must be six digits, including leading zero.
ISSUENUMBER	*(Optional)* Issue number of Maestro or Solo card.Character length: two numeric digits maximum.

Payer Info Type Fields

Field	Description
EMAIL	*(Optional)* Email address of payer. Character length and limitations: 127 single-byte characters.
FIRSTNAME	*(Required)* Payer's first name. Character length and limitations: 25 single-byte characters.

Field	Description
LASTNAME	*(Required)* Payer's last name. Character length and limitations: 25 single-byte characters.

Address Fields

Field	Description
STREET	*(Required)* First street address. Character length and limitations: 100 single-byte characters.
STREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
CITY	*(Required)* Name of city. Character length and limitations: 40 single-byte characters.
STATE	*(Required)* State or province. Character length and limitations: 40 single-byte characters.
COUNTRYCODE	*(Required)* Country code. Character limit: Two single-byte characters.
ZIP	*(Required)* U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
PHONENUM	*(Optional)* Phone number. Character length and limit: 20 single-byte characters.

UpdateRecurringPaymentsProfile Response

UpdateRecurringPaymentsProfile Response Fields

Field	Description
PROFILEID	Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. An error is returned if the profile specified in the `BillOutstandingAmount` request has a status of canceled or expired.

SetCustomerBillingAgreement API

Initiates the creation of a billing agreement.

NOTE: If you are using Express Checkout with version 54.0 or later of the API, do not use the `SetCustomerBillingAgreement` API operation to set up a billing agreement. Use the `SetExpressCheckout` API operation instead.

- "SetCustomerBillingAgreement Response" on page 127

SetCustomerBillingAgreement Request

- SetCustomerBillingAgreement Request Fields
- "Billing Agreement Details Fields" on page 127

SetCustomerBillingAgreement Request Fields

Field	Description
METHOD	*(Required)* Must be `SetCustomerBillingAgreement`.
RETURNURL	*(Required)* URL to which the customer's browser is returned after choosing to pay with PayPal. **NOTE:** PayPal recommends that the value be the final review page on which the customer confirms the billing agreement. Character length and limitations: no limit.
CANCELURL	*(Required)* URL to which the customer is returned if he does not approve the use of PayPal to pay you. **NOTE:** PayPal recommends that the value be the original page on which the customer chose to pay with PayPal or establish a billing agreement. Character length and limitations: no limit.
LOCALECODE	*(Optional)* Locale of pages displayed by PayPal during checkout. Character length and limitations: Any two-character country code. The following two-character country codes are supported by PayPal: ● AU ● DE ● FR ● IT ● GB ● ES ● US Any other value will default to US. See "Country Codes" on page 225.
PAGESTYLE	*(Optional)* Sets the Custom Payment Page Style for payment pages associated with this button/link. This value corresponds to the HTML variable `page_style` for customizing payment pages. The value is the same as the Page Style Name you chose when adding or editing the page style from the `Profile` subtab of the My Account tab of your PayPal account. Character length and limitations: 30 single-byte alphabetic characters.
HDRIIMG	*(Optional)* A URL for the image you want to appear at the top left of the payment page. The image has a maximum size of 750 pixels wide by 90 pixels high. PayPal recommends that you provide an image that is stored on a secure (https) server. Character length and limitations: 127 single-byte alphanumeric characters.
HDRBORDERCOLOR	*(Optional)* Sets the border color around the header of the payment page. The border is a 2-pixel perimeter around the header space, which is 750 pixels wide by 90 pixels high. Character length and limitations: Six character HTML hexadecimal color code in ASCII.

Field	Description
HDRBACKCOLOR	*(Optional)* Sets the background color for the header of the payment page. By default, the color is white. Character length and limitation: Six character HTML hexadecimal color code in ASCII.
PAYFLOWCOLOR	*(Optional)* Sets the background color for the payment page. Character length and limitation: Six character HTML hexadecimal color code in ASCII.
EMAIL	*(Optional)* Email address of the buyer as entered during checkout. PayPal uses this value to pre-fill the PayPal membership sign-up portion of the PayPal login page. Character length and limit: 127 single-byte alphanumeric characters.

Billing Agreement Details Fields

Field	Description
L_BILLINGTYPEn	*(Required)* Type of billing agreement.
	For recurring payments, this field must be set to RecurringPayments. In this case, you can specify up to ten billing agreements.
	NOTE: Other defined values are not valid.
L_BILLINGAGREEMENTDESCRIPTIONn	Description of goods or services associated with the billing agreement, which is required for each recurring payment billing agreement.
	PayPal recommends that the description contain a brief summary of the billing agreement terms and conditions. For example, customer will be billed at "9.99 per month for 2 years".
	Character length and limitations: 127 single-byte alphanumeric bytes.
L_PAYMENTTYPEn	*(Optional)* Specifies type of PayPal payment you require for the billing agreement.
	● Any
	● InstantOnly
	NOTE: For recurring payments, this field is ignored.
L_CUSTOMn	*(Optional)* Custom annotation field for your own use.
	NOTE: For recurring payments, this field is ignored.
	Character length and limitations: 256 single-byte alphanumeric bytes.

SetCustomerBillingAgreement Response

SetCustomerBillingAgreement Response Fields

Field	Description
TOKEN	A unique time-stamped token, which uniquely identifies this transaction for subsequent API calls.
	NOTE: The token expires after three hours.
	Character length and limitations: 20 single-byte characters.

GetBillingAgreementCustomerDetails API

Obtain information about a billing agreement's PayPal account holder.

- "GetBillingAgreementCustomerDetails Request" on page 128
- "GetBillingAgreementCustomerDetails Response" on page 128

GetBillingAgreementCustomerDetails Request

GetBillingAgreementCustomerDetails Request Fields

Field	Description
METHOD	*(Required)* Must be `GetBillingAgreementCustomerDetails`.
TOKEN	*(Required)* The time-stamped token returned in the `SetCustomerBillingAgreement` response. **NOTE:** The token expires after three hours. Character length and limitations: 20 single-byte characters.

GetBillingAgreementCustomerDetails Response

- GetBillingAgreementCustomerDetails Response
- Payer Information Fields
- Payer Name Fields
- Ship To Address Fields

GetBillingAgreementCustomerDetails Response Fields

Payer Information Fields

Field	Description
EMAIL	Email address of payer. Character length and limitations: 127 single-byte characters.
PAYERID	Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters.
PAYERSTATUS	Status of payer. Valid values are: ● verified ● unverified Character length and limitations: 10 single-byte alphabetic characters.
SHIPTOCOUNTRYCODE	Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters.
PAYERBUSINESS	Payer's business name. Character length and limitations: 127 single-byte characters.

Payer Name Fields

Field	Description
SALUTATION	Payer's salutation. Character length and limitations: 20 single-byte characters.
FIRSTNAME	Payer's first name. Character length and limitations: 25 single-byte characters.
MIDDLENAME	Payer's middle name. Character length and limitations: 25 single-byte characters.
LASTNAME	Payer's last name Character length and limitations: 25 single-byte characters.
SUFFIX	Payer's suffix Character length and limitations: 12 single-byte characters.

Ship To Address Type Fields

Field	Description
ADDRESSSTATUS	Status of street address on file with PayPal. Valid values are: ● none ● Confirmed ● Unconfirmed

Field	Description
SHIPTONAME	Person's name associated with this address. Character length and limitations: 32 single-byte characters.
SHIPTOSTREET	First street address. Character length and limitations: 100 single-byte characters.
SHIPTOSTREET2	Second street address. Character length and limitations: 100 single-byte characters.
SHIPTOCITY	Name of city. Character length and limitations: 40 single-byte characters.
SHIPTOSTATE	State or province. Character length and limitations: 40 single-byte characters. Required for U.S. addresses only.
SHIPTOZIP	U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
SHIPTOCOUNTRYCODE	Country code. Character limit: Two single-byte characters.

BAUpdate API

Update or delete a billing agreement.

- "BAUpdate Request" on page 131
- "BAUpdateResponseDetails Response" on page 131

BAUpdate Request

Update Billing Agreement Request Fields

Field	Description
METHOD	*(Required)* Must be `BillAgreementUpdate`.
REFERENCEID	*(Required)* An ID, such as a billing agreement ID or a reference transaction ID that is associated with a billing agreement.
BILLINGAGREEMENTSTATUS	*(Optional)* Type of billing agreement. The current status of the billing agreement, which is one of the following values: • `Active` - the billing agreement is currently active • `Canceled` - the billing agreement has been cancelled
L_BILLINGAGREEMENTDESCRIPTIONn	*(Optional)* Description of goods or services associated with the billing agreement, which is required for each recurring payment billing agreement. PayPal recommends that the description contain a brief summary of the billing agreement terms and conditions. For example, customer will be billed at "9.99 per month for 2 years". Character length and limitations: 127 single-byte alphanumeric bytes.
L_CUSTOMn	*(Optional)* Custom annotation field for your own use. **NOTE:** For recurring payments, this field is ignored. Character length and limitations: 256 single-byte alphanumeric bytes.

BAUpdateResponseDetails Response

- GetBillingAgreementCustomerDetails Response Fields
- Payer Information Fields
- Payer Name Fields
- Ship To Address Fields

Update Billing Agreement Details Response Fields

Field	Description
L_BILLINGTYPEn	Type of billing agreement.
L_BILLINGAGREEMENTDESCRIPTIONn	Description of goods or services associated with the billing agreement, which is required for each recurring payment billing agreement. Character length and limitations: 127 single-byte alphanumeric bytes.
L_CUSTOMn	Custom annotation field for your own use. Character length and limitations: 256 single-byte alphanumeric bytes.
BILLINGAGREEMENTSTATUS	*(Optional)* Type of billing agreement. The current status of the billing agreement, which is one of the following values: ● Active - the billing agreement is currently active ● Canceled - the billing agreement has been cancelled
L_BILLINGAGREEMENTMAXn	Maximum amount for this billing agreement. **NOTE:** This field only has a value if the customer signed up for PayPal using Preapproved Payments; it is included for backwards compatibility with legacy systems.

Payer Information Fields

Field	Description
EMAIL	Email address of payer. Character length and limitations: 127 single-byte characters.
PAYERID	Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters.
PAYERSTATUS	Status of payer. Valid values are: ● verified ● unverified Character length and limitations: 10 single-byte alphabetic characters.
SHIPTOCOUNTRYCODE	Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters.
PAYERBUSINESS	Payer's business name. Character length and limitations: 127 single-byte characters.

Payer Name Fields

Field	Description
SALUTATION	Payer's salutation. Character length and limitations: 20 single-byte characters.

Field	Description
FIRSTNAME	Payer's first name. Character length and limitations: 25 single-byte characters.
MIDDLENAME	Payer's middle name. Character length and limitations: 25 single-byte characters.
LASTNAME	Payer's last name Character length and limitations: 25 single-byte characters.
SUFFIX	Payer's suffix Character length and limitations: 12 single-byte characters.

Ship To Address Fields

Field	Description
ADDRESSSTATUS	*(Required)* Status of street address on file with PayPal. Valid values are: • none • Confirmed • Unconfirmed
SHIPTONAME	*(Required)* Person's name associated with this address. Character length and limitations: 32 single-byte characters.
SHIPTOSTREET	*(Required)* First street address. Character length and limitations: 100 single-byte characters.
SHIPTOSTREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
SHIPTOCITY	*(Required)* Name of city. Character length and limitations: 40 single-byte characters.
SHIPTOSTATE	*(Optional)* State or province. Character length and limitations: 40 single-byte characters. Required for U.S. addresses only.
SHIPTOZIP	*(Required)* U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
SHIPTOCOUNTRYCODE	*(Required)* Country code. Character limit: Two single-byte characters.

DoReferenceTransaction API

Process a payment from a buyer's account, which is identified by a previous transaction.

• "DoReferenceTransaction Request" on page 134

- "DoReferenceTransaction Response" on page 143

DoReferenceTransaction Request

- DoReferenceTransaction Request Fields
- Ship To Address Fields
- Payment Details Type Fields
- Payment Details Item Type Fields
- eBay Item Payment Details Item Type Fields
- Credit Card Fields
- Payer Information Fields
- Billing Address Fields

DoReferenceTransaction Request Fields

Field	Description
METHOD	*(Required)* Must be `DoReferenceTransaction`.
REFERENCEID	*(Required)* A transaction ID from a previous purchase, such as a credit card charge using the `DoDirectPayment` API, or a billing agreement ID.
PAYMENTACTION	*(Optional)* How you want to obtain payment: • `Authorization` indicates that this payment is a basic authorization subject to settlement with PayPal `Authorization & Capture`. • `Sale` indicates that this is a final sale for which you are requesting payment.
RETURNFMFDETAILS	*(Optional)* Flag to indicate whether you want the results returned by Fraud Management Filters. By default, you do not receive this information. • 0 - do not receive FMF details (default) • 1 - receive FMF details
SOFTDESCRIPTOR	*(Optional)* The soft descriptor is a per transaction description of the payment that is passed to the consumer's credit card statement. If a value for the soft descriptor field is provided, the full descriptor displayed on the customer's statement has the following format: `<PP *	PAYPAL *><Merchant descriptor as set in the Payment Receiving Preferences><1 space><soft descriptor>` The soft descriptor can contain only the following characters: • Alphanumeric characters • - (dash) • * (asterisk) • . (period) • {space} If you use any other characters (such as ","), an error code is returned. The soft descriptor does not include the phone number, which can be toggled between the merchant's customer service number and PayPal's customer service number. The maximum length of the total soft descriptor is 22 characters. Of this, either 4 or 8 characters are used by the PayPal prefix shown in the data format. Thus, the maximum length of the soft descriptor passed in the API request is: `22 - len(<PP * | PAYPAL *>) - len(<Descriptor set in Payment Receiving Preferences> + 1)` For example, assume the following conditions: • The PayPal prefix toggle is set to PAYPAL * in PayPal's admin tools. • The merchant descriptor set in the Payment Receiving Preferences is set to EBAY. • The soft descriptor is passed in as JanesFlowerGifts LLC The resulting descriptor string on the credit card would be: PAYPAL *EBAY JanesFlow

Ship To Address Fields

Field	Description
SHIPTONAME	Person's name associated with this address. This field is required for shipping addresses but is optional for credit card billing addresses. Character length and limitations: 32 single-byte characters.
SHIPTOSTREET	First street address. This field is required if the shipping address is used. Character length and limitations: 100 single-byte characters.
SHIPTOSTREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
SHIPTOCITY	Name of city. This field is required if the shipping address is used. Character length and limitations: 40 single-byte characters.
SHIPTOSTATE	State or province. This field is required if the shipping address is used. Character length and limitations: 40 single-byte characters.
SHIPTOZIP	U.S. ZIP code or other country-specific postal code. This field is required if a U.S. shipping address is used and may be required for other countries. Character length and limitations: 20 single-byte characters.
SHIPTOCOUNTRYCODE	Country code. This field is required if the shipping address is used. Character limit: 2 single-byte characters.
SHIPTOPHONENUM	*(Optional)* Phone number. Character length and limit: 20 single-byte characters.

Payment Details Type Fields

Field	Description
AMT	*(Required)* The total cost of the transaction to the customer. If shipping cost and tax charges are known, include them in this value; if not, this value should be the current sub-total of the order. If the transaction includes one or more one-time purchases, this field must be equal to the sum of the purchases. Set this field to 0 if the transaction does not include a one-time purchase; for example, when you set up a billing agreement for a recurring payment that is not immediately charged. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
CURRENCYCODE	*(Optional)* A three-character currency code. Default: USD.
ITEMAMT	*(Optional)* Sum of cost of all items in this order. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** ITEMAMT is required if you specify L_AMT*n*.

Field	Description
SHIPPINGAMT	*(Optional)* Total shipping costs for this order. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** If you specify a value for SHIPPINGAMT, you must also specify a value for ITEMAMT.
INSURANCEAMT	*(Optional)* Total shipping insurance costs for this order. The value must be a non-negative currency amount or null if insurance options are offered. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
SHIPPINGDISCOUNT	*(Optional)* Shipping discount for this order, specified as a negative number. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
INSURANCEOPTIONOFFERED	*(Optional)* If true, the Insurance drop-down on the PayPal Review page displays the string 'Yes' and the insurance amount. If true, the total shipping insurance for this order must be a positive number. Character length and limitations: true or false
HANDLINGAMT	*(Optional)* Total handling costs for this order. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** If you specify a value for HANDLINGAMT, you must also specify a value for ITEMAMT.
TAXAMT	*(Optional)* Sum of tax for all items in this order. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** TAXAMT is required if you specify L_TAXAMT*n*
DESC	*(Optional)* Description of items the customer is purchasing. Character length and limitations: 127 single-byte alphanumeric characters
CUSTOM	*(Optional)* A free-form field for your own use. Character length and limitations: 256 single-byte alphanumeric characters

Field	Description
INVNUM	*(Optional)* Your own invoice or tracking number. Character length and limitations: 127 single-byte alphanumeric characters
BUTTONSOURCE	*(Optional)* An identification code for use by third-party applications to identify transactions. Character length and limitations: 32 single-byte alphanumeric characters
NOTIFYURL	*(Optional)* Your URL for receiving Instant Payment Notification (IPN) about this transaction. **NOTE:** If you do not specify this value in the request, the notification URL from your Merchant Profile is used, if one exists. Character length and limitations: 2,048 single-byte alphanumeric characters

Payment Details Item Type Fields

Field	Description
L_NAMEn	*(Optional)* Item name. These parameters must be ordered sequentially beginning with 0 (for example L_NAME0, L_NAME1). Character length and limitations: 127 single-byte characters
L_DESCn	*(Optional)* Item description. Character length and limitations: 127 single-byte characters
L_AMTn	*(Optional)* Cost of item. These parameters must be ordered sequentially beginning with 0 (for example L_AMT0, L_AMT1). **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** If you specify a value for L_AMTn, you must specify a value for ITEMAMT.
L_NUMBERn	*(Optional)* Item number. These parameters must be ordered sequentially beginning with 0 (for example L_NUMBER0, L_NUMBER1). Character length and limitations: 127 single-byte characters
L_QTYn	*(Optional)* Item quantity. These parameters must be ordered sequentially beginning with 0 (for example L_QTY0, L_QTY1). Character length and limitations: Any positive integer
L_TAXAMTn	*(Optional)* Item sales tax. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. These parameters must be ordered sequentially beginning with 0 (for example L_TAXAMT0, L_TAXAMT1).
L_ITEMWEIGHTVALUEn, L_ITEMWEGHTUNITn	*(Optional)* Item weight corresponds to the weight of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMWEIGHTVALUE0, L_ITEMWEIGHTVALUE1). Character length and limitations: Any positive integer
L_ITEMLENGTHVALUEn, L_ITEMLENGTHUNITn	*(Optional)* Item length corresponds to the length of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example L_ITEMLENGTHVALUE0, L_ITEMLENGTHVALUE1). Character length and limitations: Any positive integer

Field	Description
`L_ITEMWIDTHVALUEn,` `L_ITEMWIDTHUNITn`	*(Optional)* Item width corresponds to the width of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example `L_ITEMWIDTHVALUE0, L_ITEMWIDTHVALUE1`). Character length and limitations: Any positive integer
`L_ITEMHEIGHTVALUEn,` `L_ITEMHEIGHTUNITn`	*(Optional)* Item height corresponds to the height of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. These parameters must be ordered sequentially beginning with 0 (for example `L_ITEMHEIGHTVALUE0, L_ITEMHEIGHTVALUE1`). Character length and limitations: Any positive integer

EbayItemPaymentDetailsItemType Fields

Field	Description
L_EBAYITEMNUMBERn	*(Optional)* Auction item number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMNUMBER0, L_EBAYITEMNUMBER1). Character length: 765 single-byte characters
L_EBAYITEMAUCTIONTXNIDn	*(Optional)* Auction transaction identification number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMAUCTIONTXNID0, L_EBAYITEMAUCTIONTXNID1). Character length: 255 single-byte characters
L_EBAYITEMORDERIDn	*(Optional)* Auction order identification number. These parameters must be ordered sequentially beginning with 0 (for example L_EBAYITEMORDERID0, L_EBAYITEMORDERID1). Character length: 64 single-byte characters

Credit Card Details Fields

Field	Description
CREDITCARDTYPE	*(Required)* Type of credit card. Character length and limitations: Up to ten single-byte alphabetic characters. Allowable values: • Visa • MasterCard • Discover • Amex • Maestro: See note. • Solo: See note. For Canada, only MasterCard and Visa are allowable; Interac debit cards are not supported. **NOTE:** If the credit card type is Maestro or Solo, the CURRENCYCODE must be GBP. In addition, either STARTDATE or ISSUENUMBER must be specified.
ACCT	*(Required)* Credit card number. Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.
EXPDATE	Credit card expiration date. This field is required if you are using recurring payments with direct payments. Format: MMYYYY Character length and limitations: Six single-byte alphanumeric characters, including leading zero.

Field	Description
CVV2	Card Verification Value, version 2. Your Merchant Account settings determine whether this field is required. Character length for Visa, MasterCard, and Discover: exactly three digits. Character length for American Express: exactly four digits. To comply with credit card processing regulations, you must not store this value after a transaction has been completed.
STARTDATE	*(Optional)* Month and year that Maestro or Solo card was issued, the MMYYYY format. Character length: Must be six digits, including leading zero.
ISSUENUMBER	*(Optional)* Issue number of Maestro or Solo card. Character length: two numeric digits maximum.

Payer Info Type Fields

Field	Description
EMAIL	*(Optional)* Email address of payer. Character length and limitations: 127 single-byte characters.
FIRSTNAME	*(Required)* Payer's first name. Character length and limitations: 25 single-byte characters.
LASTNAME	*(Required)* Payer's last name. Character length and limitations: 25 single-byte characters.

Address Fields

Field	Description
STREET	*(Required)* First street address. Character length and limitations: 100 single-byte characters.
STREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
CITY	*(Required)* Name of city. Character length and limitations: 40 single-byte characters.
STATE	*(Required)* State or province. Character length and limitations: 40 single-byte characters.
COUNTRYCODE	*(Required)* Country code. Character limit: Two single-byte characters.
ZIP	*(Required)* U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
PHONENUM	*(Optional)* Phone number. Character length and limit: 20 single-byte characters.

DoReferenceTransaction Response

- DoReferenceTransaction Response Fields
- Payment Information Fields

DoReferenceTransaction Response Fields for Express Checkout

Field	Description
AVSCODE	Address Verification System response code. See "AVS and CVV2 Response Codes" on page 241 for possible values. Character limit: One single-byte alphanumeric character
CVV2MATCH	Result of the CVV2 check by PayPal.
BILLINGAGREEMENTID	Returned if the value of ReferenceID in the request is a billing agreement identification number.
L_FMF*filterID*n	Filter ID, including the *filter* type, which is either ACCEPT or DENY, the filter *ID*, and the entry number, *n*, starting from 0. Filter *ID* is one of the following values: • 1 = AVS No Match • 2 = AVS Partial Match • 3 = AVS Unavailable/Unsupported • 4 = Card Security Code (CSC) Mismatch • 5 = Maximum Transaction Amount • 6 = Unconfirmed Address • 7 = Country Monitor • 8 = Large Order Number • 9 = Billing/Shipping Address Mismatch • 10 = Risky ZIP Code • 11 = Suspected Freight Forwarder Check • 12 = Total Purchase Price Minimum • 13 = IP Address Velocity • 14 = Risky Email Address Domain Check • 15 = Risky Bank Identification Number (BIN) Check • 16 = Risky IP Address Range • 17 = PayPal Fraud Model
L_FMF*filter*NAME*n*	Filter name, including the *filter* type, which is either ACCEPT or DENY, the filter *NAME*, and the entry number, *n*, starting from 0.

Payment Information Fields

Field	Description
TRANSACTIONID	Unique transaction ID of the payment. **NOTE:** If the PaymentAction of the request was Authorization or Order, this value is your AuthorizationID for use with the Authorization & Capture APIs. Character length and limitations:19 single-byte characters
TRANSACTIONTYPE	The type of transaction Character length and limitations:15 single-byte characters Valid values: • cart • express-checkout

Field	Description
PAYMENTTYPE	Indicates whether the payment is instant or delayed. Character length and limitations: Seven single-byte characters Valid values: • none • echeck • instant
ORDERTIME	Time/date stamp of payment
AMT	The final amount charged, including any shipping and taxes from your Merchant Profile. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
CURRENCYCODE	*(Optional)* A three-character currency code. Default: USD.
FEEAMT	PayPal fee amount charged for the transactionCharacter length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
SETTLEAMT	Amount deposited in your PayPal account after a currency conversion.
TAXAMT	Tax charged on the transaction. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
EXCHANGERATE	Exchange rate if a currency conversion occurred. Relevant only if your are billing in their non-primary currency. If the customer chooses to pay with a currency other than the non-primary currency, the conversion occurs in the customer's account.Character length and limitations: a decimal that does not exceed 17 characters, including decimal point
PAYMENTSTATUS	Status of the payment:Completed: The payment has been completed, and the funds have been added successfully to your account balance. Pending: The payment is pending. See the PendingReason element for more information.

Field	Description
PENDINGREASON	The reason the payment is pending: • `none`: No pending reason. • `address`: The payment is pending because your customer did not include a confirmed shipping address and your Payment Receiving Preferences is set such that you want to manually accept or deny each of these payments. To change your preference, go to the `Preferences` section of your `Profile`. • `authorization`: The payment is pending because it has been authorized but not settled. You must capture the funds first. • `echeck`: The payment is pending because it was made by an eCheck that has not yet cleared. • `intl`: The payment is pending because you hold a non-U.S. account and do not have a withdrawal mechanism. You must manually accept or deny this payment from your `Account Overview`. • `multi-currency`: You do not have a balance in the currency sent, and you do not have your `Payment Receiving Preferences` set to automatically convert and accept this payment. You must manually accept or deny this payment. • `order`: The payment is pending because it is part of an order that has been authorized but not settled. • `paymentreview`: The payment is pending while it is being reviewed by PayPal for risk. • `unilateral`: The payment is pending because it was made to an email address that is not yet registered or confirmed. • `verify`: The payment is pending because you are not yet verified. You must verify your account before you can accept this payment. • `other`: The payment is pending for a reason other than those listed above. For more information, contact PayPal customer service.
REASONCODE	The reason for a reversal if TransactionType is reversal: • `none`: No reason code • `chargeback`: A reversal has occurred on this transaction due to a chargeback by your customer. • `guarantee`: A reversal has occurred on this transaction due to your customer triggering a money-back guarantee. • `buyer-complaint`: A reversal has occurred on this transaction due to a complaint about the transaction from your customer. • `refund`: A reversal has occurred on this transaction because you have given the customer a refund. • `other`: A reversal has occurred on this transaction due to a reason not listed above.

10 DoNonReferencedCredit API

Issue a credit to a card not referenced by the original transaction.

DoNonReferencedCredit Request

- DoNonReferencedCredit Request Fields
- Credit Card Fields
- Payer Information Fields
- Address Fields

DoNonReferencedCredit Request Fields

Field	Description
METHOD	*(Required)* Must be `DoNonReferencedCredit`.
AMT	*(Required)* Total of order, including shipping, handling, and tax. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Amount = NetAmount + ShippingAmount + TaxAmount
NETAMT	*(Optional)* Total amount of all items in this transaction. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). The only valid currencies are AUD, CAD, EUR, GBP, JPY, and USD.
SHIPPINGAMT	*(Optional)* Total shipping costs in this transaction. Limitations: Value must be zero or greater and cannot exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). The only valid currencies are AUD, CAD, EUR, GBP, JPY, and USD.
TAXAMT	*(Optional)* Sum of tax for all items in this order. Limitations: The value must be zero or greater and cannot exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). The only valid currencies are AUD, CAD, EUR, GBP, JPY, and USD.
CURRENCYCODE	*(Required)* Currency code. Default: USD. The only valid currencies are AUD, CAD, EUR, GBP, JPY, and USD.
NOTE	*(Optional)* Field used by merchant to record why this credit was issued to a buyer. Similar to a "memo" field. Freeform text. String field.

Credit Card Details Fields

Field	Description
CREDITCARDTYPE	*(Required)* Type of credit card.
	Character length and limitations: Up to ten single-byte alphabetic characters.
	Allowable values:
	• `Visa`
	• `MasterCard`
	• `Discover`
	• `Amex`
	• `Maestro`: See note.
	• `Solo`: See note.
	For Canada, only `MasterCard` and `Visa` are allowable; Interac debit cards are not supported.
	NOTE: If the credit card type is `Maestro` or `Solo`, the `CURRENCYCODE` must be `GBP`. In addition, either `STARTDATE` or `ISSUENUMBER` must be specified.
ACCT	*(Required)* Credit card number.
	Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.
EXPDATE	Credit card expiration date.
	This field is required if you are using recurring payments with direct payments.
	Format: MMYYYY
	Character length and limitations: Six single-byte alphanumeric characters, including leading zero.
CVV2	Card Verification Value, version 2. Your Merchant Account settings determine whether this field is required. Character length for Visa, MasterCard, and Discover: exactly three digits.Character length for American Express: exactly four digits.To comply with credit card processing regulations, you must not store this value after a transaction has been completed.
STARTDATE	*(Optional)* Month and year that Maestro or Solo card was issued, the MMYYYY format.
	Character length: Must be six digits, including leading zero.
ISSUENUMBER	*(Optional)* Issue number of Maestro or Solo card.Character length: two numeric digits maximum.

Payer Info Type Fields

Field	Description
EMAIL	*(Optional)* Email address of payer.
	Character length and limitations: 127 single-byte characters.
FIRSTNAME	*(Required)* Payer's first name.
	Character length and limitations: 25 single-byte characters.

Field	Description
LASTNAME	*(Required)* Payer's last name. Character length and limitations: 25 single-byte characters.

Address Fields

Field	Description
STREET	*(Required)* First street address. Character length and limitations: 100 single-byte characters.
STREET2	*(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
CITY	*(Required)* Name of city. Character length and limitations: 40 single-byte characters.
STATE	*(Required)* State or province. Character length and limitations: 40 single-byte characters.
COUNTRYCODE	*(Required)* Country code. Character limit: Two single-byte characters.
ZIP	*(Required)* U.S. ZIP code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
PHONENUM	*(Optional)* Phone number. Character length and limit: 20 single-byte characters.

DoNonReferencedCredit Response

DoNonReferencedCredit Response Fields

Field	Description
TRANSACTIONID	Unique identifier of a transaction. Character length and limitations: 17 single-byte alphanumeric characters.
CURRENCYCODE	Currency code. The only valid currencies are AUD, CAD, EUR, GBP, JPY, and USD.

11 **ManagePendingTransactionStatus API**

Accept or deny a pending transaction held by Fraud Management Filters.

- "ManagePendingTransactionStatus Request" on page 151
- "ManagePendingTransactionStatus Response" on page 151

ManagePendingTransactionStatus Request

ManagePendingTransactionStatus Request Fields

Field	Description
METHOD	*(Required)* Must be `ManagePendingTransactionStatus`.
TRANSACTIONID	*(Required)* The transaction ID of the payment transaction.
ACTION	*(Required)* The operation you want to perform on the transaction, which is one of the following actions: ● `Accept` - accepts the payment ● `Deny` - rejects the payment

ManagePendingTransactionStatus Response

ManagePendingTransactionStatus Response Fields

Field	Description
TRANSACTIONID	The transaction ID of the transaction whose payment has been denied or accepted.
STATUS	The status of the transaction, which is one of the following values: ● Pending ● Processing ● Completed ● Denied ● Reversed ● Display Only ● Partially Refunded ● Created Refunded

12

GetBalance API

Obtain the available balance for a PayPal account.

-
-

GetBalance Request

GetBalance Request Fields

Field	Description
METHOD	*(Required)* Must be `GetBalance`.
RETURNALLCURRENCIES	*(Optional)* Whether to return all currencies, which is one of the following values: • `0` - Return only the balance for the primary currency holding • `1` - Return the balance for each currency holding **NOTE:** You can only include this field with API `VERSION 51` and later; prior versions return only the balance for the primary currency holding.

GetBalance Response

GetBalance Response Fields

Field	Description
L_AMTn	The available balance and associated currency code for the primary currency holding.
L_CURRENTYCODEn	The currency code associated with the holding, such as USD.

13 **AddressVerify API**

Confirms whether a postal address and postal code match those of the specified PayPal account holder.

- "AddressVerify Request" on page 156
- "AddressVerify Response" on page 156

AddressVerify Request

AddressVerify Request Fields

Field	Description
METHOD	*(Required)* Must be `AddressVerify`.
EMAIL	*(Required)* Email address of a PayPal member to verify. Maximum string length: 255 single-byte characters Input mask: `?@?.??`
STREET	*(Required)* First line of the billing or shipping postal address to verify. To pass verification, the value of `Street` must match the first three single-byte characters of a postal address on file for the PayPal member. Street Maximum string length: 35 single-byte characters. Alphanumeric plus - , . ' # \ Whitespace and case of input value are ignored.
ZIP	*(Required)* Postal code to verify. To pass verification, the value of `Zip` must match the first five single-byte characters of the postal code of the verified postal address for the verified PayPal member. Maximum string length: 16 single-byte characters. Whitespace and case of input value are ignored.

AddressVerify Response

AddressVerify Response Fields

Field	Description
CONFIRMATIONCODE	`None`: The request value of the `Email` element does not match any email address on file at PayPal. `Confirmed`: If the response value of the `StreetMatch` element is `Matched`, the entire postal address is confirmed. `Unconfirmed`: PayPal responds that the postal address is unconfirmed. **NOTE:** The values `Confirmed` and `Unconfirmed` both indicate that the member email address passed verification.
STREETMATCH	`None`: The request value of the `Email` element does not match any email address on file at PayPal. No comparison of other request values was made. Matched: The request value of the `Street` element matches the first three single-byte characters of a postal address on file for the PayPal member. `Unmatched`: The request value of the `Street` element does not match any postal address on file for the PayPal member.

Field	Description
ZIPMATCH	`None`: The request value of the `Street` element was unmatched. No comparison of the `Zip` element was made.
	`Matched`: The request value of the `Zip` element matches the ZIP code of the postal address on file for the PayPal member.
	`Unmatched`: The request value of the `Zip` element does not match the ZIP code of the postal address on file for the PayPal member.
COUNTRYCODE	Two-character country code (ISO 3166) on file for the PayPal email address. See "Country Codes" on page 225.
TOKEN	The token contains encrypted information about the member's email address and postal address. If you pass the value of the token in the HTML variable `address_api_token` of Buy Now buttons, PayPal prevents the buyer from using an email address or postal address other than those that PayPal verified with this API call.
	The token is valid for 24 hours.
	Character length and limitations: 94 single-byte characters.

A   API Error Codes

The PayPal API can return multiple errors for any operation.

General API Errors

General API Errors

Error Code	Short Message	Long Message	Correcting This Error
10002	Authentication/Authorization Failed	Username/Password is incorrect	This error can be caused by an incorrect API username, an incorrect API password, or an invalid API signature. Make sure that all three of these values are correct. For your security, PayPal does not report exactly which of these three values might be in error.
10002	Authentication/Authorization Failed	You do not have permission to make this API call	
10002	Authentication/Authorization Failed	Account is locked or inactive	
10002	Internal Error	Internal Error	
10002	Authentication/Authorization Failed	Internal Error	
10002	Authentication/Authorization Failed	Account is not verified	
10002	Authentication/Authorization Failed	This call is not defined in the database!	
10002	Authentication/Authorization Failed	Token is not valid	
10002	Restricted account	Account is restricted	Your PayPal merchant account has been restricted. Contact your PayPal account manager for resolution.
10002	Authentication/Authorization Failed	Token is not valid	
10002	Authentication/Authorization Failed	API access is disabled for this account	
10002	Authentication/Authorization Failed	Client certificate is disabled	
10002	Restricted account	Account is restricted	
10006	Version error	Version is not supported	
10008	Security error	Security header is not valid	
10101	This API Temporarily Unavailable	This API is temporarily unavailable. Please try later.	

Validation Errors

Validation Errors

Error Code	Short Message	Long Message
81000	Missing Parameter	Required Parameter Missing : Unable to identify parameter
81001	Invalid Parameter	A Parameter is Invalid : Unable to identify parameter
81002	Unspecified Method	Method Specified is not Supported
81003	Unspecified Method	No Method Specified
81004	Unspecified Method	No Request Received
81100	Missing Parameter	OrderTotal (Amt) : Required parameter missing
81101	Missing Parameter	MaxAmt : Required parameter missing
81102	Missing Parameter	ReturnURL: Required parameter missing
81103	Missing Parameter	NotifyURL : Required parameter missing
81104	Missing Parameter	CancelURL : Required parameter missing
81105	Missing Parameter	ShipToStreet : Required parameter missing
81106	Missing Parameter	ShipToStreet2 : Required parameter missing
81107	Missing Parameter	ShipToCity : Required parameter missing
81108	Missing Parameter	ShipToState : Required parameter missing
81109	Missing Parameter	ShipToZip : Required parameter missing
81110	Missing Parameter	Country : Required parameter missing
81111	Missing Parameter	ReqConfirmShipping : Required parameter missing
81112	Missing Parameter	NoShipping : Required parameter missing
81113	Missing Parameter	AddrOverride : Required parameter missing
81114	Missing Parameter	LocaleCode : Required parameter missing
81115	Missing Parameter	PaymentAction : Required parameter missing
81116	Missing Parameter	Email : Required parameter missing
81117	Missing Parameter	Token : Required parameter missing
81118	Missing Parameter	PayerID : Required parameter missing
81119	Missing Parameter	ItemAmt : Required parameter missing
81120	Missing Parameter	ShippingAmt : Required parameter missing
81121	Missing Parameter	HandlingTotal Amt : Required parameter missing

Error Code	Short Message	Long Message
81122	Missing Parameter	TaxAmt : Required parameter missing
81123	Missing Parameter	IPAddress : Required parameter missing
81124	Missing Parameter	ShipToName : Required parameter missing
81125	Missing Parameter	L_Amt : Required parameter missing
81126	Missing Parameter	Amt : Required parameter missing
81127	Missing Parameter	L_TaxAmt : Required parameter missing
81128	Missing Parameter	AuthorizationID : Required parameter missing
81129	Missing Parameter	CompleteType : Required parameter missing
81130	Missing Parameter	CurrencyCode : Required parameter missing
81131	Missing Parameter	TransactionID : Required parameter missing
81132	Missing Parameter	TransactionEntity : Required parameter missing
81133	Missing Parameter	Acct : Required parameter missing
81134	Missing Parameter	ExpDate : Required parameter missing
81135	Missing Parameter	FirstName : Required parameter missing
81136	Missing Parameter	LastName : Required parameter missing
81137	Missing Parameter	Street : Required parameter missing
81138	Missing Parameter	Street2 : Required parameter missing
81139	Missing Parameter	City : Required parameter missing
81140	Missing Parameter	State : Required parameter missing
81141	Missing Parameter	Zip : Required parameter missing
81142	Missing Parameter	CountryCode : Required parameter missing
81143	Missing Parameter	RefundType : Required parameter missing
81144	Missing Parameter	StartDate : Required parameter missing
81145	Missing Parameter	EndDate : Required parameter missing
81146	Missing Parameter	MPID : Required parameter missing
81147	Missing Parameter	CreditCardType : Required parameter missing
81148	Missing Parameter	User : Required parameter missing
81149	Missing Parameter	Pwd : Required parameter missing
81150	Missing Parameter	Version : Required parameter missing
81200	Missing Parameter	Amt : Invalid parameter
81201	Invalid Parameter	MaxAmt : Invalid parameter

Error Code	Short Message	Long Message
81203	Invalid Parameter	NotifyURL : Invalid parameter
81205	Invalid Parameter	ShipToStreet : Invalid parameter
81206	Invalid Parameter	ShipToStreet2 : Invalid parameter
81207	Invalid Parameter	ShipToCity : Invalid parameter
81208	Invalid Parameter	ShipToState : Invalid parameter
81209	Invalid Parameter	ShipToZip : Invalid parameter
81210	Invalid Parameter	Country : Invalid parameter
81211	Invalid Parameter	ReqConfirmShipping : Invalid parameter
81212	Invalid Parameter	Noshipping : Invalid parameter
81213	Invalid Parameter	AddrOverride : Invalid parameter
81214	Invalid Parameter	LocaleCode : Invalid parameter
81215	Invalid Parameter	PaymentAction : Invalid parameter
81219	Invalid Parameter	ItemAmt : Invalid parameter
81220	Invalid Parameter	ShippingAmt : Invalid parameter
81221	Invalid Parameter	HandlingTotal Amt : Invalid parameter
81222	Invalid Parameter	TaxAmt : Invalid parameter
81223	Invalid Parameter	IPAddress : Invalid parameter
81224	Invalid Parameter	ShipToName : Invalid parameter
81225	Invalid Parameter	L_Amt : Invalid parameter
81226	Invalid Parameter	Amt : Invalid parameter
81227	Invalid Parameter	L_TaxAmt : Invalid parameter
81229	Invalid Parameter	CompleteType : Invalid parameter
81230	Invalid Parameter	CurrencyCode : Invalid parameter
81232	Invalid Parameter	TransactionEntity : Invalid parameter
81234	Invalid Parameter	ExpDate : Invalid parameter
81235	Invalid Parameter	FirstName : Invalid parameter
81236	Invalid Parameter	LastName : Invalid parameter
81237	Invalid Parameter	Street : Invalid parameter
81238	Invalid Parameter	Street2 : Invalid parameter
81239	Invalid Parameter	City : Invalid parameter
81243	Invalid Parameter	RefundType : Invalid parameter

Error Code	Short Message	Long Message
81244	Invalid Parameter	StartDate : Invalid parameter
81245	Invalid Parameter	EndDate : Invalid parameter
81247	Invalid Parameter	CreditCardType : Invalid parameter
81248	Invalid Parameter	Username : Invalid parameter
81249	Invalid Parameter	Password : Invalid parameter
81250	Invalid Parameter	Version : Invalid parameter
81251	Internal Error	Internal Service Error

Direct Payment API Errors

DirectPayment API Errors

Error Code	Short Message	Long Message	Corrective Action
10102	PaymentAction of Order Temporarily Unavailable	PaymentAction of Order is temporarily unavailable. Please try later or use other PaymentAction.	
10401	Transaction refused because of an invalid argument. See additional error messages for details.	Order total is missing.	
10418	Transaction refused because of an invalid argument. See additional error messages for details.	The currencies of the shopping cart amounts must be the same.	
10426	Transaction refused because of an invalid argument. See additional error messages for details.	Item total is invalid.	
10427	Transaction refused because of an invalid argument. See additional error messages for details.	Shipping total is invalid.	
10428	Transaction refused because of an invalid argument. See additional error messages for details.	Handling total is invalid.	
10429	Transaction refused because of an invalid argument. See additional error messages for details.	Tax total is invalid.	
10432	Invalid argument	Invoice ID value exceeds maximum allowable length.	
10500	Invalid Configuration	This transaction cannot be processed due to an invalid merchant configuration.	Occurs when you have not agreed to the billing agreement.
10501	Invalid Configuration	This transaction cannot be processed due to an invalid merchant configuration.	Occurs when the billing agreement is disabled or inactive.

Error Code	Short Message	Long Message	Corrective Action
10502	Invalid Data	This transaction cannot be processed. Please use a valid credit card.	The credit card used is expired.
10504	Invalid Data	This transaction cannot be processed. Please enter a valid Credit Card Verification Number.	The CVV provided is invalid. The CVV is between 3-4 digits long.
10505	Gateway Decline	This transaction cannot be processed.	The transaction was refused because the AVS response returned the value of N, and the merchant account is not able to accept such transactions.
10507	Invalid Configuration	This transaction cannot be processed. Please contact PayPal Customer Service.	Your PayPal account is restricted - contact PayPal for more information.
10508	Invalid Data	This transaction cannot be processed. Please enter a valid credit card expiration date.	The expiration date must be a two-digit month and four-digit year.
10509	Invalid Data	This transaction cannot be processed.	You must submit an IP address of the buyer with each API call.
10510	Invalid Data	The credit card type is not supported. Try another card type.	The credit card type entered is not currently supported by PayPal.
10511	Invalid Data	This transaction cannot be processed.	The merchant selected a value for the PaymentAction field that is not supported.
10512	Invalid Data	This transaction cannot be processed. Please enter a first name.	The first name of the buyer is required for this merchant.
10513	Invalid Data	This transaction cannot be processed. Please enter a last name.	The last name of the buyer is required for this merchant.
10519	Invalid Data	Please enter a credit card.	The credit card field was blank.
10520	Invalid Data	This transaction cannot be processed.	The total amount and item amounts do not match.
10521	Invalid Data	This transaction cannot be processed. Please enter a valid credit card.	The credit card entered is invalid.
10523	Internal Error	This transaction cannot be processed.	None - this is a PayPal internal error.

Error Code	Short Message	Long Message	Corrective Action
10525	Invalid Data	This transaction cannot be processed. The amount to be charged is zero.	The merchant entered a amount of zero.
10526	Invalid Data	This transaction cannot be processed. The currency is not supported at this time.	The currency code entered is not supported.
10527	Invalid Data	This transaction cannot be processed. Please enter a valid credit card number and type.	The credit card entered is invalid.
10534	Gateway Decline	This transaction cannot be processed. Please enter a valid credit card number and type.	The credit card entered is currently restricted by PayPal. Contact PayPal for more information.
10535	Gateway Decline	This transaction cannot be processed. Please enter a valid credit card number and type.	The credit card entered is invalid.
10536	Invalid Data	This transaction cannot be processed.	The merchant entered an invoice ID that is already associated with a transaction by the same merchant. By default, the invoice ID must be unique for all transactions. To change this setting, log into PayPal or contact customer service.
10537	Filter Decline	This transaction cannot be processed.	The transaction was declined by the country filter managed by the merchant. To accept this transaction, change your risk settings on PayPal.
10538	Filter Decline	This transaction cannot be processed.	The transaction was declined by the maximum amount filter managed by the merchant. To accept this transaction, change your risk settings on PayPal.
10539	Filter Decline	This transaction cannot be processed.	The transaction was declined by PayPal. Contact PayPal for more information.
10540	Invalid Data	The transaction cannot be processed due to an invalid address.	The transaction was declined by PayPal because of an invalid address.
10541	Gateway Decline	This transaction cannot be processed. Please enter a valid credit card number and type.	The credit card entered is currently restricted by PayPal. Contact PayPal for more information.
10542	Invalid Data	This transaction cannot be processed. Please enter a valid email address.	The email address provided by the buyer is in an invalid format.

Error Code	Short Message	Long Message	Corrective Action
10544	Gateway Decline	This transaction cannot be processed.	The transaction was declined by PayPal. Contact PayPal for more information.
10545	Gateway Decline	This transaction cannot be processed.	The transaction was declined by PayPal because of possible fraudulent activity. Contact PayPal for more information.
10546	Gateway Decline	This transaction cannot be processed.	The transaction was declined by PayPal because of possible fraudulent activity on the IP address. Contact PayPal for more information.
10547	Internal Error	This transaction cannot be processed.	None - this is a PayPal internal error.
10548	Invalid Configuration	This transaction cannot be processed. The merchant's account is not able to process transactions.	The merchant account attempting the transaction is not a business account at PayPal. Check your account settings.
10549	Invalid Configuration	This transaction cannot be processed. The merchan's account is not able to process transactions.	The merchant account attempting the transaction is not able to process Direct Payment transactions. Contact PayPal for more information.
10550	Invalid Configuration	This transaction cannot be processed.	Access to Direct Payment was disabled for your account. Contact PayPal for more information.
10552	Invalid Configuration	This transaction cannot be processed.	The merchant account attempting the transaction does not have a confirmed email address with PayPal. Check your account settings.
10553	Gateway Decline	This transaction cannot be processed.	The merchant attempted a transaction where the amount exceeded the upper limit for that merchant.
10554	Filter Decline	This transaction cannot be processed.	The transaction was declined because of a merchant risk filter for AVS. Specifically, the merchant has set to decline transaction when the AVS returned a no match (AVS = N).
10555	Filter Decline	This transaction cannot be processed.	The transaction was declined because of a merchant risk filter for AVS. Specifically, the merchant has set to decline transaction when the AVS returned a partial match.

Error Code	Short Message	Long Message	Corrective Action
10556	Filter Decline	This transaction cannot be processed.	The transaction was declined because of a merchant risk filter for AVS. Specifically, the merchant has set to decline transaction when the AVS was unsupported.
10561	Invalid Data	There's an error with this transaction. Please enter complete billing address.	
10562	Invalid Data	This transaction cannot be processed. Please enter a valid credit card expiration year.	
10563	Invalid Data	This transaction cannot be processed. Please enter a valid credit card expiration month.	
10564	Gateway Decline	This transaction cannot be processed.	There was a problem processing this transaction.
10565	Merchant country unsupported	The merchant country is not supported.	
10566	Credit card type unsupported	The credit card type is not supported.	
10567	Invalid Data	This transaction cannot be processed. Please enter a valid credit card number and type.	
10571	Transaction approved, but with invalid Card Security Code (CSC) format.	This transaction was approved, although the Card Security Code (CSC) had too few, too many, or invalid characters. Based on your account profile settings, the invalid CSC was not given to the card issuer for its approval process.	If you want to require valid CVV values, change the risk control settings in your account profile.
10701	Invalid Data	There's an error with this transaction. Please enter a valid billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10702	Invalid Data	There's an error with this transaction. Please enter a valid address1 in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

Error Code	Short Message	Long Message	Corrective Action
10703	Invalid Data	There's an error with this transaction. Please enter a valid address2 in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10704	Invalid Data	There's an error with this transaction. Please enter a valid city in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10705	Invalid Data	There's an error with this transaction. Please enter a valid state in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10706	Invalid Data	There's an error with this transaction. Please enter a valid postal code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10707	Invalid Data	There's an error with this transaction. Please enter a valid country in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10708	Invalid Data	There's an error with this transaction. Please enter a complete billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10709	Invalid Data	There's an error with this transaction. Please enter an address1 in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10709	Invalid Data	There's an error with this transaction. Please enter an address1 in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10710	Invalid Data	There's an error with this transaction. Please enter a city in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10710	Invalid Data	There's an error with this transaction. Please enter a city in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

Error Code	Short Message	Long Message	Corrective Action
10711	Invalid Data	There's an error with this transaction. Please enter your state in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10712	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10713	Invalid Data	There's an error with this transaction. Please enter a country in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10713	Invalid Data	There's an error with this transaction. Please enter a country in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10714	Invalid Data	There's an error with this transaction. Please enter a valid billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10715	Invalid Data	There's an error with this transaction. Please enter a valid state in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10716	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10717	Invalid Data	There's an error with this transaction. Please enter a valid postal code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10718	Invalid Data	There's an error with this transaction. Please enter a valid city and state in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10719	Invalid Data	There's an error with this transaction. Please enter a valid shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

Error Code	Short Message	Long Message	Corrective Action
10720	Invalid Data	There's an error with this transaction. Please enter a valid address1 in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10721	Invalid Data	There's an error with this transaction. Please enter a valid address2 in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10722	Invalid Data	There's an error with this transaction. Please enter a valid city in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10723	Invalid Data	There's an error with this transaction. Please enter a valid state in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10724	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10725	Invalid Data	There's an error with this transaction. Please enter a valid country in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10726	Invalid Data	There's an error with this transaction. Please enter a complete shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10726	Invalid Data	There's an error with this transaction. Please enter a complete shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10727	Invalid Data	There's an error with this transaction. Please enter an address1 in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10727	Invalid Data	There's an error with this transaction. Please enter an address1 in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

Error Code	Short Message	Long Message	Corrective Action
10728	Invalid Data	There's an error with this transaction. Please enter a city in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10728	Invalid Data	There's an error with this transaction. Please enter a city in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10729	Invalid Data	There's an error with this transaction. Please enter your state in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10730	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10731	Invalid Data	There's an error with this transaction. Please enter a country in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10731	Invalid Data	There's an error with this transaction. Please enter a country in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10732	Invalid Data	There's an error with this transaction. Please enter a valid shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10733	Invalid Data	There's an error with this transaction. Please enter a valid state in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10734	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10735	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

Error Code	Short Message	Long Message	Corrective Action
10736	Invalid Data	There's an error with this transaction. Please enter a valid city and state in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10744	Invalid Data	This transaction cannot be processed. Please enter a valid country code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10745	Invalid Data	This transaction cannot be processed. Please enter a valid country code in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10746	Invalid Data	This transaction cannot be processed. Please use a valid country on the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10747	Invalid Data	This transaction cannot be processed.	The merchant entered an IP address that was in an invalid format. The IP address must be in a format such as `123.456.123.456.`
10748	Invalid Data	This transaction cannot be processed without a Credit Card Verification Number.	The merchant's configuration requires a CVV to be entered, but no CVV was provided with this transaction. Contact PayPal if you wish to change this setting.
10750	Invalid Data	There's an error with this transaction. Please enter a valid state in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10751	Invalid Data	There's an error with this transaction. Please enter a valid state in the billing address.	The merchant provided an address either in the United States or Canada, but the state provided is not a valid state in either country.
10752	Gateway Decline	This transaction cannot be processed.	The transaction was declined by the issuing bank, not PayPal. The merchant should attempt another card.
10754	Gateway Decline	This transaction cannot be processed.	The transaction was declined by PayPal. Contact PayPal for more information.
10755	Invalid Data	This transaction cannot be processed due to an unsupported currency.	The currency code entered by the merchant is not supported.

Error Code	Short Message	Long Message	Corrective Action
10756	Gateway Decline	The transaction cannot be processed. The country and billing address associated with this credit card do not match.	None - this is a PayPal internal error.
10758	Invalid Configuration	There's been an error due to invalid API username and/or password.	The API username or password is incorrect for this merchant.
10759	Gateway Decline	This transaction cannot be processed. Please enter a valid credit card number and type.	The transaction was declined by PayPal. Contact PayPal for more information.
10760	Invalid Configuration	This transaction cannot be processed. The country listed for your business address is not currently supported.	The merchant's country of residence listed in their PayPal account is not currently supported to allow Direct Payment transactions.
10761	Gateway Decline	This transaction cannot be processed. Please check the status of your first transaction before placing another order.	The transaction was declined because PayPal is currently processing a transaction by the same buyer for the same amount. Can occur when a buyer submits multiple, identical transactions in quick succession.
10762	Gateway Decline	This transaction cannot be processed.	The CVV provide is invalid. The CVV is between 3-4 digits long.
10763	Invalid Data	This transaction cannot be processed.	None - this is a PayPal internal error.
10764	This transaction cannot be processed at this time. Please try again later.	This transaction cannot be processed at this time. Please try again later.	The transaction was declined by PayPal. Contact PayPal for more information.
11610	Payment Pending your review in Fraud Management Filters	Payment Pending your review in Fraud Management Filters	
11611	Transaction blocked by your settings in FMF	Transaction blocked by your settings in FMF	
11612	Could not process your request to accept/deny the transaction	Could not process your request to accept/deny the transaction	
11821	This transaction cannot be processed	This transaction cannot be processed because it has already been denied by a Fraud Management Filter	You cannot capture a payment after it has been denied by a Fraud Management Filter. You can control whether a Fraud Management Filter will deny a transaction by changing the filter's settings in the profile.

Error Code	Short Message	Long Message	Corrective Action
15001	Gateway Decline	This transaction cannot be processed.	The transaction was rejected by PayPal because of excessive failures over a short period of time for this credit card. Contact PayPal for more information.
15002	Gateway Decline	This transaction cannot be processed.	The transaction was declined by PayPal. Contact PayPal for more information.
15003	Invalid Configuration	This transaction cannot be processed.	The transaction was declined because the merchant does not have a valid commercial entity agreement on file with PayPal. Contact PayPal for more information.
15004	Gateway Decline	This transaction cannot be processed. Please enter a valid Credit Card Verification Number.	The transaction was declined because the CVV entered does not match the credit card.
15005	Processor Decline	This transaction cannot be processed.	The transaction was declined by the issuing bank, not PayPal. The merchant should attempt another card.
15006	Processor Decline	This transaction cannot be processed. Please enter a valid credit card number and type.	The transaction was declined by the issuing bank, not PayPal. The merchant should attempt another card.
15007	Processor Decline	This transaction cannot be processed. Please use a valid credit card.	The transaction was declined by the issuing bank because of an expired credit card. The merchant should attempt another card.
15008	Invalid Data	This transaction has been completed, but the total of items in the cart did not match the total of all items.	

SetExpressCheckout API Errors

SetExpressCheckout API Errors

Error Code	Short Message	Long Message	Correcting This Error...
10001	ButtonSource value truncated.	The transaction could not be loaded	
10001	Internal Error	Internal Error	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction refused because of an invalid argument. See additional error messages for details.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid value for request billing address parameter.	
10007	Permission denied	You do not have permission to make this API call	
10010	Invalid Invoice	Non-ASCII invoice id is not supported.	
10102	PaymentAction of Order Temporarily Unavailable	PaymentAction of Order is temporarily unavailable. Please try later or use other PaymentAction.	
10103	Please use another Solution Type.	Your Solution Type is temporarily unavailable. If possible, please use another Solution Type.	
10400	Transaction refused because of an invalid argument. See additional error messages for details.	OrderTotal is missing.	
10401	Transaction refused because of an invalid argument. See additional error messages for details.	Order total is invalid.	
10402	Authorization only is not allowed for merchant.	This merchant account is not permitted to set PaymentAction to Authorization. Please contact Customer Service.	

Error Code	Short Message	Long Message	Correcting This Error...
10404	Transaction refused because of an invalid argument. See additional error messages for details.	ReturnURL is missing.	
10405	Transaction refused because of an invalid argument. See additional error messages for details.	CancelURL is missing.	
10407	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid buyer email address (BuyerEmail).	
10409	You're not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	
10410	Invalid token	Invalid token.	
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	If you receive this error, you must return your customer to PayPal to approve the use of PayPal again. Display an error message to inform the customer that the transaction expired, and provide a button to return to PayPal. In this situation, you are effectively restarting the entire checkout process. (Do not reuse the expired token value on `SetExpressCheckout request`.) However, because you already know the final `OrderTotal`, be sure to update the value for that element if appropriate. You might also want to update the values for `ReturnURL` and `CancelURL`, if necessary.

Error Code	Short Message	Long Message	Correcting This Error...
10412	Duplicate invoice	Payment has already been made for this InvoiceID.	PayPal checks that `InvoiceID` values are unique for any particular merchant. If you send an `InvoiceID` value already associated with another transaction in the PayPal system, PayPal returns error code 10412. You might not be able to correct this error during an actual checkout. If you get this error, research why might occur and modify your implementation of Express Checkout to ensure that you generate unique invoice identification numbers.
10413	Transaction refused because of an invalid argument. See additional error messages for details	The totals of the cart item amounts do not match order amounts.	
10415	Transaction refused because of an invalid argument. See additional error messages for details.	A successful transaction has already been completed for this token.	PayPal allows a token only once for a successful transaction. Handling this error If you determine that your customers are clicking your "Place Order" button twice, PayPal recommends that you disable the button after your customer has clicked it.
10418	Transaction refused because of an invalid argument. See additional error messages for details	The currencies of the shopping cart amounts must be the same.	
10425	Express Checkout has been disabled for this merchant.	Express Checkout has been disabled for this merchant. Please contact Customer Service.	
10426	Transaction refused because of an invalid argument. See additional error messages for details	Item total is invalid.	

Error Code	Short Message	Long Message	Correcting This Error...
10427	Transaction refused because of an invalid argument. See additional error messages for details	Shipping total is invalid.	
10428	Transaction refused because of an invalid argument. See additional error messages for details	Handling total is invalid.	
10429	Transaction refused because of an invalid argument. See additional error messages for details	Tax total is invalid.	
10430	Transaction refused because of an invalid argument. See additional error messages for details	Item amount is missing.	
10431	Transaction refused because of an invalid argument. See additional error messages for details	Item amount is invalid.	
10432	Transaction refused because of an invalid argument. See additional error messages for details	Invoice ID value exceeds maximum allowable length.	
10433	Transaction refused because of an invalid argument. See additional error messages for details	Value of Order Description has been truncated.	
10434	Transaction refused because of an invalid argument. See additional error messages for details	Value of Custom element has been truncated.	
10436	Transaction refused because of an invalid argument. See additional error messages for details.	PageStyle value exceeds maximum allowable length.	
10437	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-image value exceeds maximum allowable length.	

Error Code	Short Message	Long Message	Correcting This Error...
10438	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-image value exceeds maximum allowable length.	
10439	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-image value exceeds maximum allowable length.	
10440	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-image value exceeds maximum allowable length.	
10441	Transaction refused because of an invalid argument. See additional error messages for details	The NotifyURL element value exceeds maximum allowable length.	
10442	ButtonSource value truncated.	The ButtonSource element value exceeds maximum allowable length.	
10457	Error occurred in communicating to eBay	eBay API creation error	
10458	Error occurred in communicating to eBay	eBay API unknown failure	
10459	Error occurred in communicating to eBay	eBay API failure	
10460	Error occurred in communicating to eBay	Parsing error	
10461	Error occurred in communicating to eBay	Item number invalid, removed, or unavailable	
10462	Error occurred in communicating to eBay	Order not found	
10463	Error occurred in communicating to eBay	eBay user password incorrect	
10464	Error occurred in communicating to eBay	Item ID and Transaction ID mismatch	
10465	Error occurred in communicating to eBay	eBay user invalid	
10467	Error occurred in communicating to eBay	Duplicate Item ID	

Error Code	Short Message	Long Message	Correcting This Error...
10468	Transaction refused because of an invalid argument. See additional error messages for details	Duplicate Order ID	
10469	PaymentAction of Order Temporarily Unavailable	Express Auctions is unavailable	
10470	Wowo flag is off for ExpressO feature	Solution Type passed as Sole while ExpressO feature is turned off	
10471	Transaction refused because of an invalid argument. See additional error messages for details	ReturnURL is missing	
10472	Transaction refused because of an invalid argument. See additional error messages for details	CancelURL is missing	
10473	Error occurred in communicating to eBay	Multiple Order IDs are not supported	
10474	Invalid Data	This transaction cannot be processed. The country code in the shipping address must match the buyer's country of residence	
10475	Transaction refused because of an invalid argument. See additional error messages for details	This transaction cannot be completed with PaymentAction of Sale	
10476	Invalid Data	Maximum number of billing agreements exceeded	
10477	Invalid Data	More than one billing agreement specified for reference transaction	
10478	Invalid Data	Recurring payments profile description must be provided if the billing agreement type is recurring payments	
10479	Invalid Data	Billing agreement types cannot be mixed in the same request	
10480	Invalid Data	Invalid billing agreement type	

Error Code	Short Message	Long Message	Correcting This Error...
10537	Risk Control Country Filter Failure	The transaction was refused because the country was prohibited as a result of your Country Monitor Risk Control Settings.	
10538	Risk Control Max Amount Failure	The transaction was refused because the maximum amount was excceeded as a result of your Maximum Amount Risk Control Settings.	
10539	Payment declined by your Risk Controls settings: PayPal Risk Model.	Payment declined by your Risk Controls settings: PayPal Risk Model.	
10725	Shipping Address Country Error	There was an error in the Shipping Address Country field	
10727	Shipping Address1 Empty	The field Shipping Address1 is required	
10728	Shipping Address City Empty	The field Shipping Address City is required	
10729	Shipping Address State Empty	The field Shipping Address State is required	
10730	Shipping Address Postal Code Empty	The field Shipping Address Postal Code is required	
10731	Shipping Address Country Empty	The field Shipping Address Country is required	
10736	Shipping Address Invalid City State Postal Code	A match of the Shipping Address City, State, and Postal Code failed.	
10800	Invalid Data	Your request is too long. Check URLs and other long strings.	
11547	Recurring payments temporarily unavailable; try again later	Recurring payments temporarily unavailable.	
11601	Request for billing address failed	Billing address request is not enabled for merchant	
11602	Request for billing address failed	Feature not yet available	
11801	Invalid Data	You cannot pass both new and deprecated parameter address fields.	
11802	Invalid Data	You cannot pass both the new and deprecated Custom parameter.	

Error Code	Short Message	Long Message	Correcting This Error...
11803	Invalid Data	You cannot pass both the new and deprecated Invoice ID parameter.	
11804	Invalid Data	You cannot pass both the new and deprecated order description.	
11805	Invalid Data	You cannot pass both the new and deprecated order total or amount parameters.	
11806	Invalid Data	You cannot pass both the new and deprecated ProfileAddressChangeDate parameter.	
11807	Invalid Data	You cannot pass both the new and deprecated ShippingMethod parameter.	
11810	Transaction refused because of an invalid argument. See additional error messages for details	Invalid Insurance Amount.	
11811	Transaction refused because of an invalid argument. See additional error messages for details	Invalid Shipping Discount.	
11812	Invalid Data	The value of Description parameter has been truncated.	
11813	Transaction refused because of an invalid argument. See additional error messages for details	Invalid callback URL.	
	Callback URL is wrong type	Callback URL is wrong type; you must use the HTTPS	Ensure that your callback URL starts with `https://`.
11814	Invalid data	Invalid value for AllowNote.	
11813	Callback URL not valid or longer than 1024 chars.	Invalid callback URL	
11815	Transaction refused because of an invalid argument. See additional error messages for details	Item sales tax is invalid.	
	Callback options missing	You must specify callback options when you specify a callback URL	

Error Code	Short Message	Long Message	Correcting This Error...
	Invalid callback timeout	The callback timeout is is zero; you must specify a longer timeout	
	Line items missing	Line items are required when specify a callback URL for flate rate shipping options	
	Callback URL is too long	The callback URL must not exceed 1,024 characters	
	Multiple default shipping options specified	You can only specify one default shipping option at a time	
	No default shipping option specified	You must specify a default shipping option	
	Invalid shipping total	Invalid shipping total; it should equal the shipping amount of the default shipping option	
	Invalid shipping options	Invalid shipping options; you must specify a name and amount for each shipping option	
11821	Invalid shipping options	Invalid shipping options; you must specify a name and amount for each shipping option type	
11822	Multiple default shipping options specified	More than one shipping option type is marked as the default; you can only specify one default shipping option at a time	
11823	No default shipping option specified	You must specify one shipping option type as the default	
11824	Invalid callback timeout	The callback timeout is zero; you must specify a longer timeout value	
11825	Flat-rate shipping options are missing	Flat-rate shipping options are missing; you must specify flat-rate shipping options when you specify a callback URL	
11826	Invalid shipping total	Invalid shipping total; it should equal the shipping amount of the selected shipping option	
11827	Line items missing	Line items missing; line items are required when you specify a callback URL for flat-rate shipping options	

Error Code	Short Message	Long Message	Correcting This Error...
11828	Maximum amount of order not specified	Maximum amount of order not specified; you must specify the estimated value of the order when using a flat-rate shipping option	
11829	Shipping total is missing	Shipping total is missing; you must specify a shipping total when using a flat-rate shipping option	
11830	Insurance amount is missing	Insurance amount is missing; you have offered insurance but have not specified an amount.	
11831	Callback URL is too long	Callback URL is too long; it must not exceed 1,024 characters	
11832	Maximum amount of order is less than itemized amounts	Maximum amount of order is less than itemized amounts; the value of all items, including handling, shipping, tax, and insurance cannot be greater than the maximum amount of the order	

GetExpressCheckoutDetails API Errors

GetExpressCheckoutDetails API Errors

Error Code	Short Message	Long Message	Correcting This Error...
10001	Internal Error	Internal Error	
10001	Internal Error	Transaction failed due to internal error	
10001	ButtonSource value truncated.	The transaction could not be loaded	
10001	ButtonSource value truncated.	The transaction could not be loaded	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction refused because of an invalid argument. See additional error messages for details.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid	
10004	Invalid transaction type	You can not get the details for this type of transaction	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction could not be loaded	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid	
10007	Permission denied	You do not have permission to make this API call	
10007	Permission denied	You do not have permission to get the details of this transaction	
10007	Permission denied	You do not have permission to make this API call	
10408	Express Checkout token is missing.	Express Checkout token is missing.	
10409	You're not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	
10410	Invalid token	Invalid token.	

Error Code	Short Message	Long Message	Correcting This Error...
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	

DoExpressCheckoutPayment API Errors

Errors

Error Code	Short Message	Long Message	Correcting This Error...
10001	Internal Error	Transaction failed due to internal error	
10001	Internal Error	Warning an internal error has occurred. The transaction id may not be correct	
10001	ButtonSource value truncated.	The transaction could not be loaded	
10001	Internal Error	Internal Error	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction refused because of an invalid argument. See additional error messages for details.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid	
10007	Permission denied	You do not have permissions to make this API call	
10406	Transaction refused because of an invalid argument. See additional error messages for details.	The PayerID value is invalid.	
10408	Express Checkout token is missing.	Express Checkout token is missing.	
10409	You're not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	
10410	Invalid token	Invalid token.	
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	
10412	Duplicate invoice	Payment has already been made for this InvoiceID.	

Error Code	Short Message	Long Message	Correcting This Error...
10413	Transaction refused because of an invalid argument. See additional error messages for details.	The totals of the cart item amounts do not match order amounts.	• `ItemTotal` • `ShippingTotal` • `HandlingTotal` • `TaxTotal` If you get this error, research why it might have occurred and modify your implementation of Express Checkout to ensure proper addition of the values. For the rules of this calculation, see the *PayPal Express Checkout Integration Guide*.
10414	Transaction refused because of an invalid argument. See additional error messages for details.	The amount exceeds the maximum amount for a single transaction.	
10415	Transaction refused because of an invalid argument. See additional error messages for details.	A successful transaction has already been completed for this token.	
10416	Transaction refused because of an invalid argument. See additional error messages for details.	You have exceeded the maximum number of payment attempts for this token.	
10417	Transaction cannot complete.	The transaction cannot complete successfully. Instruct the customer to use an alternative payment method.	Instruct the customer that PayPal is unable to process the payment and redisplay alternative payment methods with which the customer can pay.
10418	Transaction refused because of an invalid argument. See additional error messages for details.	The currencies of the shopping cart amounts must be the same.	
10419	Express Checkout PayerID is missing.	Express Checkout PayerID is missing.	
10420	Transaction refused because of an invalid argument. See additional error messages for details.	Express Checkout PaymentAction is missing.	
10421	This Express Checkout session belongs to a different customer.	This Express Checkout session belongs to a different customer. Token value mismatch.	Verify that your programs are properly associating the `Tokens` and `PayerIDs`.

Error Code	Short Message	Long Message	Correcting This Error...
10422	Customer must choose new funding sources.	The customer must return to PayPal to select new funding sources.	
10424	Transaction refused because of an invalid argument. See additional error messages for details.	Shipping address is invalid.	If you receive this error message, PayPal recommends that you return your customer to PayPal to review and approve new valid funding sources. Although this error is rare, you should consider trapping the error to display a message to the customer describing what happened, along with a button or hyperlink to return to PayPal.
10426	Transaction refused because of an invalid argument. See additional error messages for details.	Item total is invalid.	
10427	Transaction refused because of an invalid argument. See additional error messages for details.	Shipping total is invalid.	
10428	Transaction refused because of an invalid argument. See additional error messages for details.	Handling total is invalid.	
10429	Transaction refused because of an invalid argument. See additional error messages for details.	Tax total is invalid.	
10431	Item amount is invalid.	Item amount is invalid.	
10432	Transaction refused because of an invalid argument. See additional error messages for details.	Invoice ID value exceeds maximum allowable length.	
10433	Transaction refused because of an invalid argument. See additional error messages for details.	Value of OrderDescription element has been truncated.	
10434	Transaction refused because of an invalid argument. See additional error messages for details.	Value of Custom element has been truncated.	

Error Code	Short Message	Long Message	Correcting This Error...
10435	Transaction refused because of an invalid argument. See additional error messages for details.	The customer has not yet confirmed payment for this Express Checkout session.	
10441	Transaction refused because of an invalid argument. See additional error messages for details.	The NotifyURL element value exceeds maximum allowable length.	
10442	ButtonSource value truncated.	The ButtonSource element value exceeds maximum allowable length.	
10443	Transaction refused because of an invalid argument. See additional error messages for details.	This transaction cannot be completed with PaymentAction of Order.	
10444	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction currency specified must be the same as previously specified.	
10445	This transaction cannot be processed at this time. Please try again later.	This transaction cannot be processed at this time. Please try again later.	
10446	Unconfirmed email	A confirmed email is required to make this API call.	
10474	Invalid Data	This transaction cannot be processed. The country code in the shipping address must match the buyer's country of residence.	The buyer selects the country of residence when they sign up for their PayPal account. The country of residence is displayed after the dash in the title on the Account Overview page.
10481	Transaction refused because of an invalid argument. See additional error messages for details.	PaymentAction of Authorization is not allowed with Unilateral and Non-Credentialed authentication.	
10482	Transaction refused because of an invalid argument. See additional error messages for details.	PaymentAction of Order is not allowed with Unilateral and Non-Credentialed authentication.	
10537	Risk Control Country Filter Failure	The transaction was refused because the country was prohibited as a result of your Country Monitor Risk Control Settings.	

Error Code	Short Message	Long Message	Correcting This Error...
10538	Risk Control Max Amount Failure	The transaction was refused because the maximum amount was excceeded as a result of your Maximum Amount Risk Control Settings.	
10539	Payment declined by your Risk Controls settings: PayPal Risk Model.	Payment declined by your Risk Controls settings: PayPal Risk Model.	
10725	Shipping Address Country Error	There was an error in the Shipping Address Country field	
10727	Shipping Address1 Empty	The field Shipping Address1 is required	
10728	Shipping Address City Empty	The field Shipping Address City is required	
10729	Shipping Address State Empty	The field Shipping Address State is required	
10730	Shipping Address Postal Code Empty	The field Shipping Address Postal Code is required	
10731	Shipping Address Country Empty	The field Shipping Address Country is required	
10736	Shipping Address Invalid City State Postal Code	A match of the Shipping Address City, State, and Postal Code failed.	
11610	Payment Pending your review in Fraud Management Filters	Payment Pending your review in Fraud Management Filters	
11611	Transaction blocked by your settings in FMF	Transaction blocked by your settings in FMF	
11612	Could not process your request to accept/deny the transaction	Could not process your request to accept/deny the transaction	
11820	Transaction refused because of an invalid argument. See additional error messages for details	Invalid Order URL.	
	Invalid shipping amount	Invalid shipping amount; it should equal the shipping amount of the selected shipping option	

Error Code	Short Message	Long Message	Correcting This Error...
	Invalid shipping options	Invalid shipping options; you must specify a name and amount for each shipping option	
11821	Invalid shipping options	Invalid shipping options; you must specify a name and amount for each shipping option type	
11826	Invalid shipping total	Invalid shipping total; it should equal the shipping amount of the selected shipping option	

Authorization and Capture API Errors

Authorization & Capture API Error Messages

Error Code	Short Message	Long Message	Returned By API Call...	Correcting This Error...
10001	Internal Error	Internal Error		
10001	Internal Error	Transaction failed due to internal error		
10004	Internal Error	Invalid argument		
10007	Permission denied	You do not have permissions to make this API call		
10009	Transaction refused	Account is locked or inactive		Retry the request at a later time or close order.
10010	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid argument		
10202	Exceed max	Transaction would exceed user's monthly maximum	DoAuthorization DoCapture	
10600	Authorization voided.	Authorization is voided.	DoAuthorization DoCapture DoReauthorization DoVoid	Close the order or authorization.
10601	Authorization expired.	Authorization has expired.	DoAuthorization DoCapture DoReauthorization DoVoid	Close the order or authorization.
10602	Authorization completed.	Authorization has already been completed.	DoAuthorization DoCapture DoReauthorization DoVoid	Close the order or authorization.
10603	The buyer is restricted.	The buyer account is restricted.	DoAuthorization DoCapture DoReauthorization DoVoid	Contact the buyer.

Error Code	Short Message	Long Message	Returned By API Call...	Correcting This Error...
10604	Authorization must include both buyer and seller.	Authorization transaction cannot be unilateral. It must include both buyer and seller to make an auth.	DoAuthorization	Review the order to ensure customer and seller are both PayPal members.
10605	Unsupported currency.	Currency is not supported.	DoAuthorization DoCapture	Retry the request with a PayPal-supported currency.
10606	Buyer cannot pay.	Transaction rejected, please contact the buyer.	DoAuthorization DoCapture DoReauthorization	Contact the buyer.
10607	Auth&Capture unavailable.	Authorization & Capture feature unavailable.	DoAuthorization DoCapture DoReauthorization DoVoid	Contact PayPal Customer Service.
10608	Funding source missing.	The funding source is missing.	DoAuthorization DoCapture DoReauthorization	Contact the buyer.
10609	Invalid transactionID.	Transaction id is invalid.	DoAuthorization DoCapture DoReauthorization DoVoid	Check the validity of the authorization ID and reattempt the request.
10610	Amount limit exceeded.	Amount specified exceeds allowable limit.	DoAuthorization DoCapture DoReauthorization	Reattempt the request with a lower amount.
10611	Not enabled.	Authorization & Capture feature is not enabled for the merchant. Contact customer service.	DoAuthorization DoCapture DoReauthorization	Contact PayPal Customer Service.
10612	No more settlement.	Maxmimum number of allowable settlements has been reached. No more settlement for the authorization.	DoCapture	Close the order.
10613	Currency mismatch.	Currency of capture must be the same as currency of authorization.	DoCapture	Ensure that the currencies are the same, and retry the request.
10614	Cannot void reauth.	You can void only the original authorization, not a reauthorization.	DoVoid	Void the authorization.

Error Code	Short Message	Long Message	Returned By API Call...	Correcting This Error...
10615	Cannot reauth reauth.	You can reauthorize only the original authorization, not a reauthorization.	DoReauthorization	Capture the reauthorization.
10616	Maximum number of reauthorization allowed for the auth is reached.	Maximum number of reauthorization allowed for the auth is reached.	DoReauthorization	Capture or close the authorization
10617	Reauthorization not allowed.	Reauthorization is not allowed inside honor period.	DoReauthorization	Capture the authorization or reauthorize outside of honor period.
10618	Transaction already voided or expired.	Transaction has already been voided or expired.	DoAuthorization DoCapture DoReauthorization DoVoid	Close the order or authorization.
10619	Invoice ID value exceeds maximum allowable length.	Invoice ID value exceeds maximum allowable length.	DoCapture	Check the length of the invoice ID and reattempt the request.
10620	Order has already been voided, expired, or completed.	Order has already been voided, expired, or completed.	DoAuthorization DoCapture DoVoid	Close this order.
10621	Order has expired.	Order has expired.	DoAuthorization DoCapture DoVoid	Close this order.
10622	Order is voided.	Order is voided.	DoAuthorization DoCapture DoVoid	Close this order.
10623	Maximum number of authorization allowed for the order is reached.	Maximum number of authorization allowed for the order is reached.	DoAuthorization DoCapture DoReauthorization DoVoid	Capture this order.
10624	Duplicate invoice	Payment has already been made for this Invoice ID.	DoAuthorization	Review the invoice ID and reattempt the request.

Error Code	Short Message	Long Message	Returned By API Call...	Correcting This Error...
10625	Transaction refused because of an invalid argument. See additional error messages for details.	The amount exceeds the maximum amount for a single transaction.	DoAuthorization DoCapture DoReauthorization	Reattempt the request with a lower amount.
10626	Risk	Transaction refused due to risk model.	DoAuthorization DoCapture DoReauthorization	Contact the buyer.
10627	Transaction refused because of an invalid argument. See additional error messages for details.	The invoice ID field is not supported for basic authorizations.	DoAuthorization DoReauthorization DoVoid	The Invoice ID field can only be used with DoCapture.
10628	This transaction cannot be processed at this time. Please try again later.	This transaction cannot be processed at this time. Please try again later.	DoAuthorization DoCapture DoReauthorization DoVoid	Retry the request at a later time.
10629	Reauthorization not allowed.	Reauthorization is not allowed for this type of authorization.	DoReauthorization	Use DoAuthorization to authorize the an order.
10630	Item amount is invalid.	Item amount is invalid.	DoAuthorization DoCapture	Check the item amount to ensure that it is not zero or negative.
11094	This authorization cannot be voided, reauthorized, or captured against.	This authorization can only be handled through the marketplace which created it. It cannot directly be voided, reauthorized, or captured against.		

GetTransactionDetails API Errors

GetTransactionDetails API Errors

Error Code	Short Message	Long Message
10001	Internal Error	Internal Error

TransactionSearch API Errors

TransactionSearch API Errors

Error Code	Short Message	Long Message
10001	Internal Error	Internal Error
10001	ButtonSource value truncated.	The transaction could not be loaded
10003	Transaction refused because of an invalid argument. See additional error messages for details.	Start date is a required parameter
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Start date is invalid
10004	Transaction refused because of an invalid argument. See additional error messages for details.	End date is invalid
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Currency is not supported
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction class is not supported
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Receipt id is not valid

Error Code	Short Message	Long Message
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Payer email is invalid
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Auction item id is not valid
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Receiver email is invalid
10004	Transaction refused because of an invalid argument. See additional error messages for details.	You can not search for a transaction id and a receipt id
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Receiver can only be specified for payments you've received
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid
10007	Permission denied	You do not have permission to search for this transaction
10007	Permission denied	You do not have permission to make this API call
11002	Search warning	The number of results were truncated. Please change your search parameters if you wish to see all your results.

RefundTransaction API Errors

RefundTransaction API Errors

Error Code	Short Message	Long Message	Correcting This Error...
10001	Internal Error	Internal Error	
10001	Internal Error	Warning an internal error has occurred. The transaction id may not be correct	
10001	ButtonSource value truncated.	The transaction could not be loaded	
10001	Internal Error	Internal Error	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The partial refund amount must be a positive amount	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	You can not specify a partial amount with a full refund	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	A transaction id is required	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The partial refund amount must be a positive amount	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	You can not specify a partial amount with a full refund	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	A transaction id is required	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction class is not supported	

Error Code	Short Message	Long Message	Correcting This Error...
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid	
10007	Permission denied	You do not have permission to refund this transaction	
10007	Permission denied	You do not have permissions to make this API call	
10009	Transaction refused	You do not have a verified ACH	This error can be caused by insufficient funds in your PayPal balance to cover the amount of the refund and either your not having yet verified the bank account associated with your PayPal account or your not having any bank account associated with your PayPal account at all. Ensure that you have sufficient funds in your PayPal balance and that you have verified the associated bank account.
10009	Transaction refused	The partial refund amount must be less than or equal to the original transaction amount	
10009	Transaction refused	The partial refund amount must be less than or equal to the remaining amount	
10009	Transaction refused	The partial refund amount is not valid	
10009	Transaction refused	Because a complaint case exists on this transaction, only a refund of the full or full remaining amount of the transaction can be issued	
10009	Transaction refused	You are over the time limit to perform a refund on this transaction	
10009	Transaction refused	Can not do a full refund after a partial refund	
10009	Transaction refused	Account is locked or inactive	
10009	Transaction refused	The partial refund must be the same currency as the original transaction	

Error Code	Short Message	Long Message	Correcting This Error...
10009	Transaction refused	This transaction has already been fully refunded	
10009	Transaction refused	Account is restricted	
10009	Transaction refused	You can not refund this type of transaction	
10009	Transaction refused	You can not do a partial refund on this transaction	
10009	Transaction refused	The account for the counterparty is locked or inactive	
10009	Transaction refused	You can not refund this type of transaction	
10011	Invalid transaction id value	Transaction refused because of an invalid transaction id value	
11001	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction class is not supported	

Mass Pay API Errors

MassPay API Errors

Error Code	Short Message	Long Message
10001	Invalid account number.	The transaction failed as a result of an invalid credit card number. Check the number or attempt with another card.
10001	Internal Error	Internal Error
10001	Internal Error	The transaction could not be loaded
10001	ButtonSource value truncated.	The transaction could not be loaded
10001	Transaction refused because of an invalid argument. See additional error messages for details.	The masspay receiver_type is not a recognizable type
10002	Account locked	The user account is locked
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The number of input records is greater than maximum allowed
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The number of input records is less than or equal to zero
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The note string length exceeds the maximum limit of 4000 characters
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The amount is missing
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The currency is missing
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Currency is not supported

Error Code	Short Message	Long Message
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The amount is not a valid number
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The amount exceeds the max limit of a single mass pay item ~1
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The amount is less than or equal to zero
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The unique id string length exceeds the maximum limit of 30 characters
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The unique id string contains a space as a character
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid
10007	Permission denied	You do not have permissions to make this API call
10301	User not allowed	The user is not allowed to send money through Mass Pay
10303	Restricted account	Account is restricted
10304	Unconfirmed email	The user account has unconfirmed email
10305	Limit Exceeded	The user account needs to have its sending limit removed in order to make a mass payment.
10306	Limit Exceeded	The user's international account needs to have its sending limit removed in order to make a mass payment
10307	Receive only account	The user account is receive only and therefore cannot send payments out
10308	Masspay server configuration error	There is some configuration error
10309	Masspay server unavailable	The mass pay server is unavailable
10310	Unable to create payment	Unable to create payments for masspay

Error Code	Short Message	Long Message
10311	Unable to submit payment	Unable to submit payments for masspay
10312	Masspay server error	The masspay server has reported errors
10313	Masspay Invalid Data	The masspay input file includes invalid data
10314	Masspay input parse error	The input to the masspay server is incorrect. Please make sure that you are using a correctly formatted input.
10317	Masspay Invalid Email	The masspay input file includes invalid Email
10320	Internal Error	Internal Error
10321	Insufficient funds	The account does not have sufficient funds to do this masspay
10327	Masspay Invalid UserID	The masspay input file includes invalid UserID

Recurring Payments Errors

The following table lists errors for the following APIs that handle recurring payments profiles:

- `CreateRecurringPaymentsProfile`
- `GetRecurringPaymentsProfileDetails`
- `ManageRecurringPaymentsProfileStatus`
- `UpdateRecurringPaymentsProfile`
- `BillOutstandingAmount`

Recurring Payments Errors

Error Code	Short Message	Long Message	Additional Information
10001	Invalid account number	The transaction failed as a result of invalid credit card number. Check the number or attempt with another credit card.	
10478	Invalid Data	Recurring payments profile description must be provided if the billing agreement type is recurring payments.	
10501	Invalid Configuration	This transaction cannot be processed due to an invalid merchant configuration.	Occurs when the billing agreement is disabled or inactive.
10502	Invalid Data	This transaction cannot be processed. Please use a valid credit card.	The credit card used is expired.
10504	Invalid Data	This transaction cannot be processed. Please enter a valid Credit Card Verification Number.	The CVV provided is invalid. The CVV is between 3-4 digits long.
10505	Gateway Decline	This transaction cannot be processed.	The transaction was refused because the AVS response returned the value of N, and the merchant account is not able to accept such transactions.
10507	Invalid Configuration	This transaction cannot be processed. Please contact PayPal Customer Service.	Your PayPal account is restricted - contact PayPal for more information.
10508	Invalid Data	This transaction cannot be processed. Please enter a valid credit card expiration date.	The expiration date must be a two-digit month and four-digit year.
10509	Invalid Data	This transaction cannot be processed.	You must submit an IP address of the buyer with each API call.
10510	Invalid Data	The credit card type is not supported. Try another card type.	The credit card type entered is not currently supported by PayPal.
10511	Invalid Data	This transaction cannot be processed.	The merchant selected an value for the PaymentAction field that is not supported.
10512	Invalid Data	This transaction cannot be processed. Please enter a first name.	The first name of the buyer is required for this merchant.

Error Code	Short Message	Long Message	Additional Information
10513	Invalid Data	This transaction cannot be processed. Please enter a last name.	The last name of the buyer is required for this merchant.
10535	Gateway decline	This transaction cannot be processed. Please enter a valid credit card number and type.	
10548	Invalid Configuration	This transaction cannot be processed. The merchant's account is not able to process transactions.	The merchant account attempting the transaction is not a business account at PayPal. Check your account settings.
10550	Invalid Configuration	This transaction cannot be processed.	Access to Direct Payment was disabled for your account. Contact PayPal for more information.
10561	Invalid Data	There's an error with this transaction. Please enter complete billing address.	
10565	Merchant country unsupported	The merchant country is not supported.	
10709	Invalid Data	There's an error with this transaction. Please enter an address1 in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10710	Invalid Data	There's an error with this transaction. Please enter a city in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10711	Invalid Data	There's an error with this transaction. Please enter your state in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10712	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10713	Invalid Data	There's an error with this transaction. Please enter a country in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

Error Code	Short Message	Long Message	Additional Information
10744	Invalid Data	This transaction cannot be processed. Please enter a valid country code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10748	Invalid Data	This transaction cannot be processed without a Credit Card Verification Number.	The merchant's configuration requires a CVV to be entered, but no CVV was provided with this transaction. Contact PayPal if you wish to change this setting.
10751	Invalid Data	There's an error with this transaction. Please enter a valid state in the billing address.	The merchant provided an address either in the United States or Canada, but the state provided is not a valid state in either country.
10752	Gateway Decline	This transaction cannot be processed.	The transaction was declined by the issuing bank, not PayPal. The merchant should attempt another card.
10760	Invalid Configuration	This transaction cannot be processed. The country listed for your business address is not currently supported.	The merchant's country of residence listed in their PayPal account is not currently supported to allow Direct Payment transactions.
11089	Transaction Refused.	Account is locked or inactive.	
11501	Invalid merchant country	The merchant's country is currently not supported	Missing token
11502	The token is missing or is invalid	The token is missing or is invalid	One or more subscription detail fields are missing from the request.
11503	Missing subscription details	Missing subscription details	One or more schedule detail fields are missing from the request.
11504	Missing schedule details	Missing schedule details	
11505	Start date should be greater than current date	Subscription start date should be greater than current date	
11506	Invalid max failed payments	Max failed payments, if supplied, must be >= 0	
11507	Invalid trial amount	Trial amount must be >= 0	

Error Code	Short Message	Long Message	Additional Information
11508	Invalid trial total billing cycles	Trial total billing cycles must be > 0	
11509	Invalid trial billing period	Trial billing period must be one of Day, Week, Month, SemiMonth, or Year	
11510	Invalid trial amount	Trial amount must be >= 0	
11511	Invalid currency for trial amount	This currency is currently not supported for trial amount.	Currency must be USD.
11512	Invalid trial shipping amount	Trial shipping amount must be >= 0	If a trial shipping amount is supplied, it must be >= 0.
11513	Invalid currency for trial shipping amount	This currency is currently not supported for trial shipping amount	Currency must be USD.
11514	Invalid profile status	The profile status is invalid.	
11515	Invalid currency for trial tax amount	This currency is currently not supported for trial tax amount	Currency must be USD.
11516	Invalid billing frequency	Billing Frequency must be > 0 and be less than or equal to one year	The combination of billing frequency and billing period cannot exceed one year.
11517	Invalid total billing cycles	Total billing cycles must be >= 0 (0 means continuous)	
11518	Invalid billing period	Billing period must be one of Day, Week, Month, SemiMonth, or Year	
11519	Invalid amount	Bill amount must be greater than 0	
11520	Invalid currency for amount	This currency is currently not supported for amount	Currency must be USD.
11521	Invalid shipping amount	Shipping amount must be >= 0	
11522	Invalid currency for shipping amount	This currency is currently not supported for shipping amount	Currency must be USD.
11523	Invalid tax amount	Tax amount must be >= 0	
11524	Invalid currency for tax amount	This currency is currently not supported for tax amount	Currency must be USD.
11531	Invalid profile status	The profile status must be one of (A)ctive, (C)ancelled, or e(X)pired	
11543	Invalid payer country	The payer's country is currently not supported	

Error Code	Short Message	Long Message	Additional Information
11544	Invalid period status	The trial period status must be one of (A)ctive or (C)ancelled	
11545	Denied	Payer's account is denied	
11546	Denied	Merchant account is denied	
11547	This feature is not available at this time	Recurring payments feature is not currently available; try again later	
11548	Invalid currency code	Invalid currency code, all currency codes much match	
11549	Start Date is required	Subscription start date is required	
11550	Start Date should be valid	Subscription start date should be valid	
11551	Profile ID is missing from the request	Profile ID is missing from the request	
11552	Invalid profile ID	The profile ID is invalid	
11553	Invalid action value provided	Invalid action value provided	
11554	Note is missing from the request	Note is missing from the request	
11555			
11556	Invalid profile status for cancel action; profile should be active or suspended	Invalid profile status for suspend action; profile should be active	
11557	Invalid profile status for suspend action; profile should be active	Invalid profile status for reactivate action; profile should be suspended	
11558	Invalid profile status for reactivate action; profile should be suspended	The activation type is invalid	
11560	Invalid activation type	The activation type is invalid	
11561	Invalid initial amount	The initial amount is invalid	
11562	Invalid auto bill type	The auto bill type is invalid	
11564	The number of failed payments should be greater than the current number of failed payments	The number of failed payments should be greater than the current number of failed payments	

Error Code	Short Message	Long Message	Additional Information
11567	The time of the update is too close to the billing date	The time of the update is too close to the billing date	
11568	Invalid currency for delinquent amount	Invalid currency for delinquent amount	
11569	Cannot increase delinquent amount	Cannot increase delinquent amount	
11570	The maximum number of failed payments should be greater than the current number of failed payments	The maximum number of failed payments should be greater than the current number of failed payments	
11571	The total amount cannot exceed 120% increment per 180 days	The total amount cannot exceed 120% increment per 180 days	
11576	Bill amount is greater than outstanding balance	Bill amount is greater than outstanding balance	
11577	Another outstanding payment is scheduled	Another outstanding payment is scheduled	
11578	Bill outstanding amount not processed because of scheduled payment	Recurring payment scheduled within 24 hours, so we are not processing the bill outstanding amount	
11579	Payment is failing	Payment is failing	
11581	Invalid Data	Profile description is invalid.	
11582	No payment in queue	No scheduled payment has been found.	
11583	DPRP feature is unavailable	DPRP feature is unavailable	
11584	Inactive profile	Profile is not active	
11585	Missing Token or buyer credit card	Missing token or payment source	
11586	DPRP is disabled	DPRP is disabled for this merchant.	
11587	Billing Address is Partial	Billing Address is Partial	
11590	Profile update is not required	Based on your input request, profile already up to date.	
15004	Gateway Decline	This transaction cannot be processed. Please enter a valid Credit Card Verification Number.	

SetCustomerBillingAgreement Errors

SetCustomerBillingAgreement Errors

Error Code	Short Message	Long Message	Additional Information
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid argument; BillingType input field is set to None	
10404	Transaction refused because of an invalid argument. See additional error messages for details.	ReturnURL is missing.	ReturnURL tag has no content
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid value for request billing address parameter.	
10405	Transaction refused because of an invalid argument. See additional error messages for details.	CancelURL is missing.	CancelURL tag has no content
10407	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid buyer email address (BuyerEmail).	Invalid BuyerEmail (badly formatted or violates SMTP protocol defined email address format) or BuyerEmail is passed as an empty tag.
10436	Transaction refused because of an invalid argument. See additional error messages for details.	PageStyle value exceeds maximum allowable length.	PageStyle tag is too long
10437	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-image value exceeds maximum allowable length.	cpp_header_image tag is too long; maximum length is 127
10438	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-border-color value exceeds maximum allowable length.	cpp_header_border_color tag is too long; maximum length is 6
10439	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-back-color value exceeds maximum allowable length.	cpp_header_back_color tag is too long; maximum length is 6

Error Code	Short Message	Long Message	Additional Information
10440	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-payflow-color value exceeds maximum allowable length.	cpp_payflow_color tag is too long; maximum length is 6
10471	Transaction refused because of an invalid argument. See additional error messages for details.	ReturnURL is invalid.	ReturnURL tag contains invalid URL
10472	Transaction refused because of an invalid argument. See additional error messages for details.	CancelURL is invalid.	CancelURL tag contains invalid URL
10476	Transaction refused because of an invalid argument. See additional error messages for details.		
10477	Transaction refused because of an invalid argument. See additional error messages for details.		
11452	Merchant not enabled for reference transactions	Merchant not enabled for reference transactions	This merchant is not enabled for Mark reference transaction. Warning only
11453	Reference transactions temporarily unavailable.	Reference transaction feature not currently available; try again later	Feature not enabled because system is running in standin mode. Warning only
11601	Request for billing address failed	Billing address request is not enabled for merchant	
11602	Request for billing address failed	Feature not yet available	

GetBillingAgreementCustomerDetails Errors

GetBillingAgreementCustomerDetails Errors

Error Code	Short Message	Long Message	Additional Information
10408	Missing token	Token is missing	Token is missing
10409	You're not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	Token belongs to a different merchant
10410	Invalid token	Invalid token	Token invalid
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	Token expired

CreateBillingAgreement Errors

CreateBillingAgreement Errors

Error Code	Short Message	Long Message	Additional Information
10408	Missing token	Token is missing	Token is missing
10409	You're not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	Token belongs to a different merchant
10410	Invalid token	Invalid token	Token invalid
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	Token expired
11455	Buyer did not accept billing agreement	Buyer did not accept billing agreement	Buyer has not agreed to the billing agreement.
11456	A successful Billing Agreement has already been created for this token.	Transaction refused because of an invalid argument. See additional error messages for details.	Token has already been used to create a billing agreement
10408	Missing token	Token is missing	Token is missing
10409	You're not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	Token belongs to a different merchant
10410	Invalid token	Invalid token	Token invalid

Error Code	Short Message	Long Message	Additional Information
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	Token expired

UpdateBillingAgreement Errors

UpdateBillingAgreement Errors

Error Code	Short Message	Long Message	Additional Information
10001	Internal Error	Internal Error	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid argument; description field or custom field is empty and the status is active	Check the description and custom fields of the billing agreement. Either the description or custom field is empty and the status is active or the contents of one of these fields exceeds the maximum field length.
10201	Billing Agreement was cancelled	Billing Agreement was cancelled	Billing agreement has been cancelled
10204	User's account is closed or restricted	User's account is closed or restricted	
10209	Disabled	Preapproved Payments not enabled.	Merchant pull is not enabled for the country or merchant is not enabled for merchant pull
10209	Disabled	Preapproved Payments not enabled.	Account number mismatch for the API caller and the account the billing agreement belongs to.
10211	Invalid billing agreement ID	Invalid transaction or billing agreement ID; could not find Billing Agreement in database	
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	ReferenceID field is empty.
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	Reference id refers to an invalid transaction.
11452	Merchant not enabled for reference transactions	Merchant not enabled for reference transactions	This merchant is not enabled for Mark reference transaction

DoReferenceTransaction Errors

All Reference Transactions-Related API Errors

Error Code	Short Message	Long Message	Additional Information
10001	Internal Error	Internal Error	

Error Code	Short Message	Long Message	Additional Information
10002	Authentication/Authorization Failed		
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid payment type argument	
10009	Transaction refused	The account for the counterparty is locked or inactive	Merchant is locked/close/restricted
10010	Invalid Invoice	Non-ASCII invoice id is not supported	Non-ASCII characters are used in InvoiceID field
10201	Agreement canceled	Billing Agreement was cancelled	Billing agreement is not active
10202	Exceed max	Transaction would exceed user's monthly maximum	Transaction would exceed the monthly limit
10203	Action required	Transaction failed, action required by user	
10204	User's account is closed or restricted	User's account is closed or restricted	
10205	Risk	Transaction refused due to risk model	
10206	Duplicate	Transaction was already processed	
10207	Retry	Transaction failed but user has alternate funding source	Retry the transaction with an alternate funding source.
10209	Disabled	Preapproved Payments not enabled.	Merchants is not enabled for preapproved payments (PAP); applies only to legacy PAP billing agreements
10210	No Funding	Transaction failed because has no funding sources	Payee has no funding sources.
10211		Invalid MP ID	Invalid MP ID
10212	Profile preference setting	A profile preference is set to automatically deny certain transactions	A profile preference is set that automatically denies this kind of transaction
10213	Invalid Soft Descriptor	The soft descriptor passed in contains invalid characters	
10214			Soft descriptor format error.
10215	Soft Descriptor truncated	The soft descriptor was truncated	

Error Code	Short Message	Long Message	Additional Information
10216			Transaction refused because a confirmed address is not available
10400	Transaction refused because of an invalid argument. See additional error messages for details.	Order total is missing.	TotalOrder amount is missing
10401	Transaction refused because of an invalid argument. See additional error messages for details.	Order total is invalid.	TotalOrder amount is invalid
10402	Authorization only is not allowed for merchant.	This merchant account is not permitted to set PaymentAction? to Authorization. Please contact Customer Service.	Merchant is not eligible for auth settlement
10406	Transaction refused because of an invalid argument. See additional error messages for details.	The PayerID? value is invalid.	Merchant account number is invalid
10412	Duplicate invoice	Payment has already been made for this InvoiceID?.	Payment already made for the invoice
10413	Transaction refused because of an invalid argument. See additional error messages for details.	The totals of the cart item amounts do not match order amounts.	Total of cart items does not match order total
10414	Transaction refused because of an invalid argument. See additional error messages for details.	The amount exceeds the maximum amount for a single transaction.	Amount exceeds the max amount for a single txn
10417	Transaction cannot complete.	The transaction cannot complete successfully. Instruct the customer to use an alternative payment method.	Account not associated with a usable funding source
10417	Transaction cannot complete.	The transaction cannot complete successfully. Instruct the customer to use an alternative payment method.	Credit card or Billing Agreement is required to complete payment
10418	Transaction refused because of an invalid argument. See additional error messages for details.	The currencies of the shopping cart amounts must be the same.	Currencies in the shopping cart must be the same

Error Code	Short Message	Long Message	Additional Information
10420	Transaction refused because of an invalid argument. See additional error messages for details.	PaymentAction? tag is missing.	PaymentAction? tag is missing.
10426	Transaction refused because of an invalid argument. See additional error messages for details.	Item total is invalid.	ItemTotal amount is invalid.
10427	Transaction refused because of an invalid argument. See additional error messages for details.	Shipping total is invalid.	ShippingTotal amount is invalid.
10428	Transaction refused because of an invalid argument. See additional error messages for details.	Handling total is invalid.	HandlingTotal amount is invalid
10429	Transaction refused because of an invalid argument. See additional error messages for details.	Tax total is invalid.	TaxTotal amount is invalid.
10429	Transaction refused because of an invalid argument. See additional error messages for details.	Item sales tax is invalid	PaymentDetailsItem.Tax field is invalid. Warning only; API executes
10430	Transaction refused because of an invalid argument. See additional error messages for details.	Item amount is missing.	PaymentDetailsItem.Amount field is missing. Warning only; API executes
10431	Transaction refused because of an invalid argument. See additional error messages for details.	Item amount is invalid.	PaymentDetailsItem.Amount field is invalid. Warning only; API executes
10432	Transaction refused because of an invalid argument. See additional error messages for details.	Invoice ID value exceeds maximum allowable length.	InvoiceID field is too long; maximum length is 256
10433	Transaction refused because of an invalid argument. See additional error messages for details.	Value of OrderDescription element has been truncated.	OrderDescription field is too long; maximum length is 127. Warning only; API executes

Error Code	Short Message	Long Message	Additional Information
10434	Transaction refused because of an invalid argument. See additional error messages for details.	Value of Custom element has been truncated.	Custom field is too long; maximum length is 256. Warning only; API executes
10441	Transaction refused because of an invalid argument. See additional error messages for details.	The NotifyURL element value exceeds maximum allowable length.	NotifyURL field is too long; maximum length for notify URL is 2048
10442	ButtonSource value truncated.	The ButtonSource element value exceeds maximum allowable length.	ButtonSource field is too long; maximum length is 32. Warning only; API executes
10504	The cvv2 is invalid.	This transaction cannot be processed. Please enter a valid Credit Card Verification Number.	CVV2 field is invalid.
10527	Invalid Data	This transaction cannot be processed. Please enter a valid credit card number and type.	CreditCardNumber and/or CreditCardType is invalid
10537	Risk Control Country Filter Failure	The transaction was refused because the country was prohibited as a result of your Country Monitor Risk Control Settings.	Transaction refused due to country monitor risk control
10538	Risk Control Max Amount Failure	The transaction was refused because the maximum amount was excused as a result of your Maximum Amount Risk Control Settings.	Transaction refused due to max amount risk control
10539	Payment declined by your Risk Controls settings: PayPal Risk Model.	Payment declined by your Risk Controls settings: PayPal Risk Model.	Transaction declined by Risk Control settings: PayPal Risk model
10546	Gateway Decline	This transaction cannot be processed.	IP fraud models failed.
10560	Invalid Data	The issue number of the credit card is invalid.	IssueNumber is invalid.
10567	Invalid Data	A Start Date or Issue Number is required.	None of Start date or issue number is specified (only applies to Switch and Solo credit cards)
10600	Authorization voided	Authorization voided.	
10601	Authorization expired.	Authorization has expired	
10621	Order has expired.	Order has expired.	

Error Code	Short Message	Long Message	Additional Information
10622	Order is voided.	Order is voided.	
10623	Maximum number of authorization allowed for the order is reached.	Maximum number of authorization allowed for the order is reached.	
10725	Shipping Address Country Error	There was an error in the Shipping Address Country field	Shipping address error in country field
10727	Shipping Address1 Empty	The field Shipping Address1 is required	Shipping address error in address1 field
10728	Shipping Address City Empty	The field Shipping Address City is required	Shipping address error in city field
10729	Shipping Address State Empty	The field Shipping Address State is required	Shipping address error in state field
10730	Shipping Address Postal Code Empty	The field Shipping Address Postal Code is required	Shipping address error in postal code
10731	Shipping Address Country Empty	The field Shipping Address Country is required	Country code is empty in shipping address
10736	Shipping Address Invalid City State Postal Code	A match of the Shipping Address City, State, and Postal Code failed.	Match of shipping address, city, state, and postal code failed.
10747	Invalid Data	This transaction cannot be processed without a valid IP address.	IPAddress field is invalid.
10748	Invalid Data	This transaction cannot be processed without a Credit Card Verification number.	CVV2 field is missing.
10755	Unsupported Currency.	This transaction cannot be processed due to an unsupported currency.	
11302	Cannot pay self	The transaction was refused because you cannot send money to yourself.	Cannot pay self. Merchant is referencing own transaction.
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	Invalid reference id
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	Reference transaction is not associated with a billing agreement.
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	Reference id either not found or could not be decrypted

Error Code	Short Message	Long Message	Additional Information
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	Reference id either not found or could not be decrypted
11452	Merchant not enabled for reference transactions	Merchant not enabled for reference transactions	This merchant is not enabled for Mark reference transaction
11453	Reference transactions temporarily unavailable.	Reference transaction feature not currently available; try again later	Feature wired off
11453	Reference transactions temporarily unavailable.	Reference transaction feature not currently available; try again later	Feature not supported in standin
11454	Warning: Could not send email to the buyer	Warning: Could not send email to the buyer	Failed to send email to buyer. This error is not fatal and generates a warning.
11459	Invalid Data	The shipping address must match the user's address in the PayPal account.	The shipping address on file does not match the requested shipping address.
11610	Payment Pending your review in Fraud Management Filters	Payment Pending your review in Fraud Management Filters	
11611	Transaction blocked by your settings in FMF	Transaction blocked by your settings in FMF	
11612	Could not process your request to accept/deny the transaction	Could not process your request to accept/deny the transaction	
18014	Gateway Decline	This transaction cannot be processed.	This transaction cannot be processed without a Credit Card Verification number.

AddressVerify API Errors

AddressVerify API Errors

Error Code	Short Message	Long Message
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid email format
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid street format
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid zip format
10009	The API is disabled.	The Address API is currently disabled

ManagePendingTransactionStatus API Errors

ManagePendingTransactionStatus API Errors

Error Code	Short Message	Long Message
11614	Could not process your request to accept/deny the transaction	Could not process your request to accept/deny the transaction
11614	The transaction has already been Accepted/Denied and the status cannot be changed	The transaction has already been Accepted/Denied and the status cannot be changed

B Country Codes

Country Codes

Country	Code
AFGHANISTAN	AF
ÅLAND ISLANDS	AX
ALBANIA	AL
ALGERIA	DZ
AMERICAN SAMOA	AS
ANDORRA	AD
ANGOLA	AO
ANGUILLA	AI
ANTARCTICA	AQ
ANTIGUA AND BARBUDA	AG
ARGENTINA	AR
ARMENIA	AM
ARUBA	AW
AUSTRALIA	AU
AUSTRIA	AT
AZERBAIJAN	AZ
BAHAMAS	BS
BAHRAIN	BH
BANGLADESH	BD
BARBADOS	BB
BELARUS	BY
BELGIUM	BE
BELIZE	BZ
BENIN	BJ
BERMUDA	BM

Country	Code
BHUTAN	BT
BOLIVIA	BO
BOSNIA AND HERZEGOVINA	BA
BOTSWANA	BW
BOUVET ISLAND	BV
BRAZIL	BR
BRITISH INDIAN OCEAN TERRITORY	IO
BRUNEI DARUSSALAM	BN
BULGARIA	BG
BURKINA FASO	BF
BURUNDI	BI
CAMBODIA	KH
CAMEROON	CM
CANADA	CA
CAPE VERDE	CV
CAYMAN ISLANDS	KY
CENTRAL AFRICAN REPUBLIC	CF
CHAD	TD
CHILE	CL
CHINA	CN
CHRISTMAS ISLAND	CX
COCOS (KEELING) ISLANDS	CC
COLOMBIA	CO
COMOROS	KM
CONGO	CG
CONGO, THE DEMOCRATIC REPUBLIC OF THE	CD
COOK ISLANDS	CK
COSTA RICA	CR
COTE D'IVOIRE	CI

Country	Code
CROATIA	HR
CUBA	CU
CYPRUS	CY
CZECH REPUBLIC	CZ
DENMARK	DK
DJIBOUTI	DJ
DOMINICA	DM
DOMINICAN REPUBLIC	DO
ECUADOR	EC
EGYPT	EG
EL SALVADOR	SV
EQUATORIAL GUINEA	GQ
ERITREA	ER
ESTONIA	EE
ETHIOPIA	ET
FALKLAND ISLANDS (MALVINAS)	FK
FAROE ISLANDS	FO
FIJI	FJ
FINLAND	FI
FRANCE	FR
FRENCH GUIANA	GF
FRENCH POLYNESIA	PF
FRENCH SOUTHERN TERRITORIES	TF
GABON	GA
GAMBIA	GM
GEORGIA	GE
GERMANY	DE
GHANA	GH
GIBRALTAR	GI

Country	Code
GREECE	GR
GREENLAND	GL
GRENADA	GD
GUADELOUPE	GP
GUAM	GU
GUATEMALA	GT
GUERNSEY	GG
GUINEA	GN
GUINEA-BISSAU	GW
GUYANA	GY
HAITI	HT
HEARD ISLAND AND MCDONALD ISLANDS	HM
HOLY SEE (VATICAN CITY STATE)	VA
HONDURAS	HN
HONG KONG	HK
HUNGARY	HU
ICELAND	IS
INDIA	IN
INDONESIA	ID
IRAN, ISLAMIC REPUBLIC OF	IR
IRAQ	IQ
IRELAND	IE
ISLE OF MAN	IM
ISRAEL	IL
ITALY	IT
JAMAICA	JM
JAPAN	JP
JERSEY	JE
JORDAN	JO

Country	Code
KAZAKHSTAN	KZ
KENYA	KE
KIRIBATI	KI
KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	KP
KOREA, REPUBLIC OF	KR
KUWAIT	KW
KYRGYZSTAN	KG
LAO PEOPLE'S DEMOCRATIC REPUBLIC	LA
LATVIA	LV
LEBANON	LB
LESOTHO	LS
LIBERIA	LR
LIBYAN ARAB JAMAHIRIYA	LY
LIECHTENSTEIN	LI
LITHUANIA	LT
LUXEMBOURG	LU
MACAO	MO
MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF	MK
MADAGASCAR	MG
MALAWI	MW
MALAYSIA	MY
MALDIVES	MV
MALI	ML
MALTA	MT
MARSHALL ISLANDS	MH
MARTINIQUE	MQ
MAURITANIA	MR
MAURITIUS	MU
MAYOTTE	YT

Country	Code
MEXICO	MX
MICRONESIA, FEDERATED STATES OF	FM
MOLDOVA, REPUBLIC OF	MD
MONACO	MC
MONGOLIA	MN
MONTSERRAT	MS
MOROCCO	MA
MOZAMBIQUE	MZ
MYANMAR	MM
NAMIBIA	NA
NAURU	NR
NEPAL	NP
NETHERLANDS	NL
NETHERLANDS ANTILLES	AN
NEW CALEDONIA	NC
NEW ZEALAND	NZ
NICARAGUA	NI
NIGER	NE
NIGERIA	NG
NIUE	NU
NORFOLK ISLAND	NF
NORTHERN MARIANA ISLANDS	MP
NORWAY	NO
OMAN	OM
PAKISTAN	PK
PALAU	PW
PALESTINIAN TERRITORY, OCCUPIED	PS
PANAMA	PA
PAPUA NEW GUINEA	PG

Country	Code
PARAGUAY	PY
PERU	PE
PHILIPPINES	PH
PITCAIRN	PN
POLAND	PL
PORTUGAL	PT
PUERTO RICO	PR
QATAR	QA
REUNION	RE
ROMANIA	RO
RUSSIAN FEDERATION	RU
RWANDA	RW
SAINT HELENA	SH
SAINT KITTS AND NEVIS	KN
SAINT LUCIA	LC
SAINT PIERRE AND MIQUELON	PM
SAINT VINCENT AND THE GRENADINES	VC
SAMOA	WS
SAN MARINO	SM
SAO TOME AND PRINCIPE	ST
SAUDI ARABIA	SA
SENEGAL	SN
SERBIA AND MONTENEGRO	CS
SEYCHELLES	SC
SIERRA LEONE	SL
SINGAPORE	SG
SLOVAKIA	SK
SLOVENIA	SI
SOLOMON ISLANDS	SB

Country	Code
SOMALIA	SO
SOUTH AFRICA	ZA
SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS	GS
SPAIN	ES
SRI LANKA	LK
SUDAN	SD
SURINAME	SR
SVALBARD AND JAN MAYEN	SJ
SWAZILAND	SZ
SWEDEN	SE
SWITZERLAND	CH
SYRIAN ARAB REPUBLIC	SY
TAIWAN, PROVINCE OF CHINA	TW
TAJIKISTAN	TJ
TANZANIA, UNITED REPUBLIC OF	TZ
THAILAND	TH
TIMOR-LESTE	TL
TOGO	TG
TOKELAU	TK
TONGA	TO
TRINIDAD AND TOBAGO	TT
TUNISIA	TN
TURKEY	TR
TURKMENISTAN	TM
TURKS AND CAICOS ISLANDS	TC
TUVALU	TV
UGANDA	UG
UKRAINE	UA
UNITED ARAB EMIRATES	AE

Country	Code
UNITED KINGDOM	GB
UNITED STATES	US
UNITED STATES MINOR OUTLYING ISLANDS	UM
URUGUAY	UY
UZBEKISTAN	UZ
VANUATU	VU
VENEZUELA	VE
VIET NAM	VN
VIRGIN ISLANDS, BRITISH	VG
VIRGIN ISLANDS, U.S.	VI
WALLIS AND FUTUNA	WF
WESTERN SAHARA	EH
YEMEN	YE
ZAMBIA	ZM
ZIMBABWE	ZW

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C   State and Province Codes

State and Province Codes

Canadian Province or U.S. State	Abbreviation
Alberta	AB
British Columbia	BC
Manitoba	MB
New Brunswick	NB
Newfoundland and Labrador	NL
Northwest Territories	NT
Nova Scotia	NS
Nunavut	NU
Ontario	ON
Prince Edward Island	PE
Quebec	QC
Saskatchewan	SK
Yukon	YT
Alabama	AL
Alaska	AK
American Samoa	AS
Arizona	AZ
Arkansas	AR
California	CA
Colorado	CO
Connecticut	CT
Delaware	DE
District of Columbia	DC
Federated States of Micronesia	FM
Florida	FL

Canadian Province or U.S. State	Abbreviation
Georgia	GA
Guam	GU
Hawaii	HI
Idaho	ID
Illinois	IL
Indiana	IN
Iowa	IA
Kansas	KS
Kentucky	KY
Louisiana	LA
Maine	ME
Marshall Islands	MH
Maryland	MD
Massachusetts	MA
Michigan	MI
Minnesota	MN
Mississippi	MS
Missouri	MO
Montana	MT
Nebraska	NE
Nevada	NV
New Hampshire	NH
New Jersey	NJ
New Mexico	NM
New York	NY
North Carolina	NC
North Dakota	ND
Northern Mariana Islands	MP
Ohio	OH

Canadian Province or U.S. State	Abbreviation
Oklahoma	OK
Oregon	OR
Palau	PW
Pennsylvania	PA
Puerto Rico	PR
Rhode Island	RI
South Carolina	SC
South Dakota	SD
Tennessee	TN
Texas	TX
Utah	UT
Vermont	VT
Virgin Islands	VI
Virginia	VA
Washington	WA
West Virginia	WV
Wisconsin	WI
Wyoming	WY
Armed Forces Americas	AA
Armed Forces	AE
Armed Forces Pacific	AP

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D Currency Codes

Currencies and Currency Codes Supported by PayPal

Currency	Currency Code
Australian Dollar	AUD
Canadian Dollar	CAD
Czech Koruna	CZK
Danish Krone	DKK
Euro	EUR
Hong Kong Dollar	HKD
Hungarian Forint	HUF
Israeli New Sheqel	ILS
Japanese Yen	JPY
Mexican Peso	MXN
Norwegian Krone	NOK
New Zealand Dollar	NZD
Polish Zloty	PLN
Pound Sterling	GBP
Singapore Dollar	SGD
Swedish Krona	SEK
Swiss Franc	CHF
U.S. Dollar	USD

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E

AVS and CVV2 Response Codes

- "AVS Response Codes" on page 241
- "CVV2 Response Codes" on page 243

AVS Response Codes

- AVS Response Codes for Visa, Mastercard, Discover, and American Express
- AVS Response Codes for Maestro and Solo

AVS Response Codes for Visa, MasterCard, Discover, and American Express

AVS Code	Meaning	Matched Details
A	Address	Address only (no ZIP)
B	International "A"	Address only (no ZIP)
C	International "N"	None **NOTE:** The transaction is declined.
D	International "X"	Address and Postal Code
E	Not allowed for MOTO (Internet/Phone) transactions	Not applicable **NOTE:** The transaction is declined.
F	UK-specific "X"	Address and Postal Code
G	Global Unavailable	Not applicable
I	International Unavailable	Not applicable
N	No	None **NOTE:** The transaction is declined.
P	Postal (International "Z")	Postal Code only (no Address)
R	Retry	Not applicable
S	Service not Supported	Not applicable
U	Unavailable	Not applicable
W	Whole ZIP	Nine-digit ZIP code (no Address)
X	Exact match	Address and nine-digit ZIP code
Y	Yes	Address and five-digit ZIP
Z	ZIP	Five-digit ZIP code (no Address)
All others	Error	Not applicable

AVS Response Codes for Maestro and Solo

AVS Code	Meaning	Matched Details
0	All the address information matched.	All information matched
1	None of the address information matched.	None **NOTE:** The transaction is declined.
2	Part of the address information matched.	Partial
3	The merchant did not provide AVS information. Not processed.	Not applicable

AVS Code	Meaning	Matched Details
4	Address not checked, or acquirer had no response. Service not available.	Not applicable
Null	No AVS response was obtained. Default value of field.	Not applicable

CVV2 Response Codes

- CVV2 Response Codes for Visa, MasterCard, Discover, and American Express
- CVV2 Response Codes for Maestro and Solo

CVV2 Response Codes for Visa, MasterCard, Discover, and American Express

CVV2 Code	Meaning	Matched Details
M	Match	CVV2CSC
N	No match	None
P	Not processed	Not applicable
S	Service not supported	Not applicable
U	Service not available	Not applicable
X	No response	Not applicable

CVV2 Response Codes for Maestro and Solo

CVV2 Code	Meaning	Matched Details
0	Matched	CVV2
1	No match	None
2	The merchant has not implemented CVV2 code handling	Not applicable
3	Merchant has indicated that CVV2 is not present on card	Not applicable
4	Service not available	Not applicable
All others	Error	Not applicable